Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

AUGUST BUILDING OPERATIONS

Returns of proposed building operations from plans filed for August throughout the country show a decided increase over the same period one year ago.

The total increase from the figures given below is $6,126,639, or about 12½%. Throughout the Eastern States there was a gain of about 18½%, in the South about 18%, in the Central States about 20%, and a loss of about 35% throughout the West. This loss is accounted for by the large amount of building which was done at the Expositions a year ago.

For the past 8 months building has shown a gain throughout the Eastern States of about $2,500,000 and compared with July of this year has increased about $3,000,000, or 11%, which is an improvement for this season of the year.

Below is given a table of contemplated building operations from representative cities throughout the country.

EASTERN STATES

	Month of August 1915	Month of August 1914	First Eight Months of Year 1915	First Eight Months of Year 1914
Albany, N. Y.	$249,745	$479,685	$2,678,495	$5,056,150
Bridgeport, Conn.	842,725	147,063	6,114,387	2,633,146
Buffalo, N. Y.	1,175,000	950,000	8,266,000	8,499,006
Elizabeth, N. J.	94,748	91,190	781,589	979,313
Hartford, Conn.	528,934	185,990	3,734,628	2,871,346
Hoboken, N. J.	21,565	2,727	565,964	730,727
Jersey City, N. J.	404,856	401,804	3,551,505	2,819,649
Newark, N. J.	569,441	3,196,000	5,795,110	8,440,280
New Bedford, Mass.	197,260	175,550	2,334,554	2,052,802
New Haven, Conn.	440,274	500,567	4,096,323	2,719,791
New York, N. Y.				
Bronx	1,558,750	1,206,900	19,330,250	17,282,968
Brooklyn	3,999,697	3,974,000	19,949,707	29,892,850
Manhattan	7,260,500	3,608,950	50,992,300	34,491,040
Queens	2,345,400	903,716	14,799,011	14,043,545
Paterson, N. J.	182,827	221,958	1,100,843	1,300,415
Philadelphia, Penn.	3,993,625	2,642,810	26,719,955	28,410,380
Pittsburgh, Penn.	740,265	1,127,069	6,132,293	11,978,217
Reading, Penn.	181,150	29,400	820,425	1,043,200
Rochester, N. Y.	772,174	808,457	6,291,965	6,904,625
Scranton, Penn.	88,779	185,388	1,206,899	937,852
Springfield, Mass.	400,095	489,290	4,106,039	4,026,189
Utica, N. Y.	235,985	86,670	1,509,090	1,117,045
Totals	$26,283,795	$21,415,184	$190,877,242	$188,230,536

CENTRAL STATES

	Month of August 1915	Month of August 1914	First Eight Months of Year 1915	First Eight Months of Year 1914
Akron, Ohio	$499,010	$555,120	$3,149,095	$2,910,205
Canton, Ohio	115,125	314,500	1,192,315	1,317,505
Cedar Rapids, Iowa	125,000	282,000	1,312,000	2,217,000
*Chicago, Ill.	9,513,150	5,769,450	56,241,830	58,834,810
Cincinnati, Ohio	3,048,475	1,128,060	9,772,764	7,172,060
Cleveland, Ohio	1,987,520	2,318,470	22,533,679	19,539,885
Columbus, Ohio	544,895	647,325	3,598,850	4,371,531
Des Moines, Iowa	151,500	111,150	1,226,020	1,269,514
Detroit, Mich.	3,217,490	2,171,085	18,926,130	21,859,830
Duluth, Minn.	262,051	238,023	1,833,961	2,184,864
Indianapolis, Ind.	463,972	472,436	4,322,796	6,568,841
Kansas City, Kan.	91,665	80,863	709,633	859,988
Kansas City, Mo.	725,830	527,395	7,060,325	8,540,325
Milwaukee, Wis.	1,073,079	626,681	6,746,564	7,025,347
Minneapolis, Minn.	1,031,070	943,975	11,231,221	8,197,700
Oak Park, Ill.	238,755	123,000	.....	.....
Omaha, Neb.	350,610	521,065	3,561,820	3,790,363
Peoria, Ill.	114,810	243,081	.....	.....
St. Louis, Mo.	932,446	797,165	8,002,297	9,903,076
St. Paul, Minn.	1,066,026	646,921	7,464,596	9,618,709
Toledo, Ohio	747,083	490,047	5,311,299	4,903,264
Youngstown, Ohio	154,815	261,565	1,753,037	2,275,826
Totals	$16,941,277	$13,499,927	$119,708,396	$124,525,833

SOUTHERN STATES

	Month of August 1915	Month of August 1914	First Eight Months of Year 1915	First Eight Months of Year 1914
Atlanta, Ga.	$370,600	$372,033	$3,115,437	$3,867,732
Birmingham, Ala.	137,615	314,549	.....	.....
Chattanooga, Tenn.	46,540	128,810	332,798*	879,620
Dallas, Tex.	155,117	220,175	2,335,756	4,645,318
Ft. Worth, Tex.	127,265	301,100	800,652	1,612,831
Houston, Tex.	89,193	137,610	1,077,198	3,016,007
Louisville, Ky.	203,900	426,860	2,540,735	3,467,105
Memphis, Tenn.	273,295	175,661	2,020,073	2,523,549
Norfolk, Va.	75,632	241,625	1,276,675	1,812,415
Richmond, Va.	197,019	183,410	2,260,348	2,745,280
San Antonio, Tex.	181,260	170,050	.....	.....
Washington, D. C.	742,773	491,576	7,407,139	7,312,278
Totals	$2,600,209	$3,163,459	$23,166,811	$31,882,135

*Not included in totals.

WESTERN STATES

	Month of August 1915	Month of August 1914	First Eight Months of Year 1915	First Eight Months of Year 1914
Oakland, Calif.	$506,041	$411,889	$3,299,111	$3,281,059
Portland, Ore.	728,897	409,390	3,732,032	5,461,045
Salt Lake City, Utah	213,300	480,045	1,483,191	2,115,109
San Francisco, Calif.	970,090	1,415,271	9,036,563	24,161,483
San Diego, Calif.	62,770	208,408	776,947	2,573,646
Seattle, Wash.	454,960	1,565,525	3,960,165	9,969,970
Spokane, Wash.	50,335	31,455	821,469	806,752
Tacoma, Wash.	54,378	139,460	549,053	1,712,207
Totals	$3,040,771	$4,661,443	$23,658,531	$50,081,271

RAILWAYS

Maine—Harvey D. Eaton, Waterville, Maine, is interested in a project to construct an electric railway from Athens to Skowhegn, Maine, about 13 miles.

Massachusetts—Bay State St. Ry.—The Massachusetts Highway Commission has approved the new location and relocation of the tracks of this company in Washington St. from Hanover to Lloyd St., Lynn, and the relocation of tracks on Myrtle, Winter and Howard St., Saugus. M. S. Goff, Boston, is Vice Pres. and Gen. Mgr. Noted July 8.

Massachusetts—Springfield St. Ry. Co.—This company has petitioned the Council for a franchise to relocate its tracks on Mill St., Westfield, from West Silver St. to Court St. R. W. Reynolds, Springfield, is Mgr.

Pennsylvania—Southern Pennsylvania Traction Co.—This company has petitioned the Council for a franchise to extend its line from Chester to Eddystone. T. M. Wilson, Wilmington, Del., is Vice-Pres. and Gen. Mgr.

Maryland—Cumberland Electric Ry. Co.—This company will double track its line on Baltimore St. from the Western Maryland Ry. to the Baltimore & Ohio R.R. W. M. Roberts, Jr., is Mgr., Supt. and Pur. Agt.

Virginia—Norfolk & Western Ry.—This company plans to double track its City Point branch. J. E. Crawford, Roanoke, is Ch. Engr. Noted Feb. 11.

Georgia—The Chamber of Commerce, Rome, Ga., is promoting the construction, by the Seaboard Air Line Ry., of a railway from Rome south to Fish, about 14 miles.

Georgia—Southern Ry.—Surveys have been made by this company for a spur from Dalton to the Crown Cotton Mills. B. Herman, Washington, D. C., is Ch. Engr.

Alabama—The State Legislature has passed a bill authorizing the City of Mobile to issue bonds for the construction of a belt line railway.

Alabama—Alabama Great Southern R.R.—This company is securing a right-of-way for double tracking its line through DeKalb and Etowah County. Plans are also being considered for an extension to Gadsden. C. Dougherty, Cincinnati, Ohio, is Ch. Engr.

Alabama—New Orleans, Mobile & Chicago R.R.—This company has been reorganized and plans to revive the project of extending the line to Beaumont, Miss., to connect with the Louisville & Nashville R.R. B. V. Wright, Laurel, Miss., is Ch. Engr.

Louisiana—New Orleans Ry. & Light Co.—A petition has been presented to the City Council by the residents of upper South Claiborne Ave., asking that the New Orleans Ry. & Light Co. be permitted to proceed with the extension of the South Claiborne Ave. line from Broadway to Carrollton Ave., New Orleans. M. S. Sloan, New Orleans, is Gen. Mgr.

Louisiana—Shreveport Traction Co.—The Council has granted this company a franchise to double track its Highland Ave. Fair Grounds line from Marshall to Creswell St. on Stoner Ave. and from Stoner Ave. to the end of Herndon Ave. W. A. Sullivan, Shreveport, is Gen. Mgr. and Pur. Agt.

✚**Tennessee**—Morgan-Fentress Ry.—This company has awarded a contract for a section of its proposed railway to the CUMBERLAND CONSTRUCTION CO., Harriman.

Kentucky—According to press reports an electric railway will be constructed from Burkesville to Edmonton, Ky., about 22 miles.

Ohio—Cleveland Ry. Co.—This company will extend its line on East 123rd St. from St. Clair Ave. to Superior St. G. L. Radcliffe, Cleveland, is Gen. Mgr.

Ohio—Wheeling & Lake Erie R.R.—This company plans to connect its main lines with the United Steel plant and the proposed new blast furnace. W. L. Rohbock, Cleveland, is Ch. Engr.

Ohio—New York Central R.R.—Cincinnati, Chicago & St. Louis Ry.—According to press reports these companies have secured a site at Noble upon which they plan to construct yards. G. C. Cleveland, Cleveland, is Ch. Engr., New York Central R.R. and C. A. Paquette, Cincinnati, is Ch. Engr., Cleveland, Cincinnati, Chicago & St. Louis Ry.

Michigan—A special election will be held in Detroit Nov. 2 to vote on the question of the city purchasing the street car system owned by the Detroit United Ry. Co.

Michigan—Pennsylvania R.R.—This company plans to extend its line to Detroit, Mich. The estimated cost is $20,000,000. A. C. Shand, Philadelphia, is Ch. Engr.

Illinois—Alton, Granite & St. Louis Traction Co.—This company plans to relay its tracks on the north and south end of its Second St. line. O. C. Macy, Alton, is Supt.

Illinois—Lee County Electric Ry.—This company plans to relocate its tracks in Amboy and abandon its line on Main St. in order to build a line from Binghamton to Blackstone St. The proposed new line will give the company direct connection with both the Illinois Central Electric Ry. and the Burlington Ry. & Light Co.

Illinois—Peoria Ry. Co.—A franchise has been granted this company to double track its line on Frye Ave. from Wisconsin to Pacific St., Peoria. R. W. Bailey, Peoria, is Gen. Supt.

✚**Minnesota**—Electric Short Line Ry. Co.—A contract has been awarded by this company to H. F. BALCH & CO., Minneapolis, for the construction of an electric railway from Winsted to Hutchinson, Minn., about 45 miles. De Koven Hunter, Minneapolis, is Gen. Mgr.

Wisconsin—Ettrick & Northern R.R.—The State Railroad Commission has granted this company permission to construct a railway through Ettrick and Preston to a connection with the Green Bay & Western R.R. John C. Gaveney is Pres. Noted July 8.

South Dakota—Huron & Northwestern Ry.—According to press reports work will soon be started by this company on the construction of its proposed railway to connect Huron, S. D. and Hankinson, N. D. F. W. Henderson, Summit, S. D., is interested. Noted Apr. 29 and June 24.

South Dakota—Aberdeen R.R. Co.—This company, recently incorporated, will take over the existing system of the city and improve and extend it. Charles A. Howard, S. C. Hedger and Charles N. Harris are the incorporators.

Oklahoma—St. Louis & San Francisco R.R.—This company plans to extend its line from Depew northward into the coal field to connect with the Oil Field and Santa Fé line. F. G. Jonah, St. Louis, is Ch. Engr.

California—Pacific Electric Ry. Co.—This company has asked the Council for a franchise to construct a single track line on certain portions of Figuero St., Denver Ave., Hoover St., Menlo and Vermont Ave. J. McMillan, Los Angeles, is Gen. Mgr.

LIGHT, HEAT AND POWER

✚**Pawtucket, R. I.**—The Rhode Island Power & Transmission Co. is building a 30x100-ft. brick and concrete power station which will ultimately be capable of generating 30,000 kw. A contract has been awarded to the GENERAL ELECTRIC CO., Schenectady, N. Y., for transformers and a five-panel switchboard. The Connecticut River Transit Co., Worcester, Mass., is Engr.-in-Charge.

New York, N. Y.—(Borough of Manhattan)—Bids will be received until 2:30 p.m., Sept. 24, by E. S. Elwood, Secy. State Hospital Comn., Capitol, Albany, for the construction of a one-story brick and concrete power house at the Manhattan State Hospital, Wards Island. The estimated cost is $200,000. Lawis F. Pilcher is State Arch.

Tarentum, Penn.—Bids will be received until 7 p.m., Sept. 13, by the City Clerk for one 500-kw. alternating current steam turbine generating unit, surface condensing equipment, one switchboard and two motor-driven centrifugal pumps. Sidney B. Martin, Penn Bldg., Pittsburgh, is Consult. Engr. Noted Sept. 2.

Baltimore, Md.—The Consolidated Gas, Electric Light & Power Co. will build additions to its substation on Monument St. near Front St., consisting of two two-story wings, 48x135 ft. and 47x142 ft. respectively, of brick and reinforced concrete. E. D. Edmondston is Gen Supt.

Hickory, N. C.—(Official)—Bids will be received until 10 a.m., Oct. 12, by S. C. Cornwell, City Mgr., for a 30-year franchise to operate electric-light and power, fuel and heating plants.

Summit, Ga.—It is reported that the towns of Summit and Graymont, Emanuel County, will vote for a bond issue of $5000 to be used for installing an electric-light plant to serve both towns.

Chattanooga, Tenn.—It is reported that the Nashville, Chattanooga & St. Louis Ry. will purchase power equipment for the operation of an inclined railway on Lookout Mountain, Chattanooga. H. McDonald, Nashville, is Ch. Engr.

Cynthiana, Ky.—It is reported that the Kentucky Utilities Co., Lexington, contemplates purchasing the plant of the Cynthiana Electric Light Co. It will be improved and enlarged. G. E. Hyde, Lexington, is Mgr. and Engr. of the Kentucky Utilities Co.

Junction City, Ky.—The establishment of a municipal electric-light plant is under consideration.

Providence, Ky.—At the November election the question of issuing $20,000 in bonds will be submitted to the voters. The proceeds will be used for the establishment of a municipal electric-light plant.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Oct. 1, by the Board of Commissioners of Hamilton County for remodeling the heating system of the Ohio National Guard Armory on Freeman Ave., Cincinnati. Albert Reinhardt is Clk. of Comrs.

Kent, Ohio—(Official)—Bids will be received until noon, Sept. 25, by J. A. McDowell, Secy. Bd. of Trustees of the Kent State Normal School, for two water-tube boilers with breeching and all enclosures, and with all piping from the heating plant to three school buildings; also for all radiation, fans, motors, galvanized iron work and temperature regulation for heating the auditorium, office and library building, the administration building, and the agricultural and training building. George F. Hammond, 4220 Prospect Ave., Cleveland, is Arch

Wellsville, Ohio—No bids were received Aug. 7 for the $60,000 worth of city bonds, the proceeds of which would have been used for the installation of a municipal electric-light plant. The project will be postponed for a time. Noted July 15.

Crawfordsville, Ind.—It is reported that within six months, the Crawfordsville Electric Light & Power Plant (municipal) will purchase one 1500-kw. turbo-generator with condenser pump, switchboard and steam heater. F. Miller is Mgr. and Supt.

Kalamazoo, Mich.—It is reported that F. W. Ballard, Ch. Engr., of the municipal electric-light plant of Cleveland, Ohio, has made a survey of the municipal plant of Kalamazoo, and has recommended that $350,000 in bonds be issued for the purpose of extending and improving the present system. Andrew Lenderink is City Engr.

✚**Bloomington, Ill.**—Illinois Wesleyan University has awarded contract for two 350-hp. water-tube boilers in its new heating plant to the SPRINGFIELD BOILER & MFG. CO.

Elizabeth, Ill.—Bids will be received until 2:30 p.m., Sept. 13, by the Elizabeth Light & Power Co. for building three miles of transmission line, a substation and distribution system. Dr. A. J. Nichols, Elizabeth, is interested.

Upper Alton, Ill.—The lowest bid received by the State Hospital Commission, Springfield, for the construction of a power house at the Alton State Hospital was that of J. J. Wuellner & Sons, Alton, at $55,400. Noted Aug. 12.

Thief River Falls, Minn.—A special election will be held Sept. 30 by the city to vote on a bond issue of $38,000 for the purpose of improving and extending the municipal electric-light plant. E. J. Overland is City Clk.

✚**Cherokee, Iowa**—The contract for plumbing and heating equipment in the Cherokee High School has been awarded to SWANSON & BETSWORTH, Cherokee, at $12,873.

Perry, Iowa—It is reported that the Iowa Ry. & Light Co., Cedar Rapids, contemplates rebuilding its plant at Perry. Estimated cost, $60,000. William G. Dows, Cedar Rapids, is Pres. and Gen. Mgr.

Tekamah, Neb.—The city is preparing to build a new power house for the municipal electric-light plant, and will purchase one 150-hp. corliss-type engine, two boilers, a 100-kw. generator and a switchboard. A. G. Howard is Mgr. of the plant. Noted June 10.

Austin, Tex.—It is reported that the city has issued $40,000 in bonds for the purpose of enlarging and improving the municipal electric-light plant. A. P. Wooldridge is Mayor.

Denison, Tex.—It is reported that the Texas Power & Light Co. has purchased a site on the Red River near Denison for a hydro-electric plant. Estimated cost, $750,000. The plant will furnish power to operate a part of the lines of the Texas Traction Co., and for lighting and other purposes in northern Texas and southern Oklahoma by the use of high-tension transmission lines. Noted July 17, 1913, and July 8, 1915.

Galveston, Tex.—It is reported that the Galveston Gas Co. will make improvements in its gas manufacturing plant to cost about $150,000.

Kyle, Tex.—The Kyle Light & Power Co. is being organized for the purpose of establishing an electric-light and power plant. W. W. Giessen, San Marcos, is interested.

Socorro, N. M.—The Socorro Light & Power Co. has been organized with a capital stock of $50,000. It will build an electric-light plant. C. T. Brown is interested.

Pocatello, Idaho—It is reported that the Oregon Short Line R.R. will install a heating plant in its roundhouse at Pocatello. Plans are being prepared by C. C. Kennicott, Salt Lake City, Utah.

Peach Springs, Ariz.—(Nelson post office)—Epes Randolph, Tucson, and associates, have received permission from the Department of the Interior to make preliminary surveys for the dams they plan to build across the Colorado River near Peach Springs, and for the series of hydro-electric plants to develop a total of 400,000 hp. The first dam and plant will be located in Diamond Cañon, and will develop about 50,000 hp. J. B. Girard, City Engr. of Phoenix, is interested in the project, and will have charge of the surveys to be made.

Toronto, Ont.—The Toronto Hydro-Electric Commission plans to build a substation at the St. Lawrence Market, Toronto. The building will be of steel.

BRIDGES

Augusta, Maine.—Bids were received Aug. 26 by the State Highway Commission for the construction of the Milo Bridge as follows: (a) lump sum, (b) extra concrete, per cu.yd., (c) extra fill, per cu.yd.; E. T. Hartwell, Oldtown, (a) $5427, (b) $9, (c) 75c.; Hobart & Richardson, Oldtown, (a) $7016, (b) $12, (c) 85c.; John Connor, Oldtown, (a) $4832, (b) $6.50, (c) 75c.; Cyr Bros., Waterville, (a) $4900, (b) $10, (c) $1; Small & Ingalls, Bar Harbor, (a) $5350, (b) $12, (c) $1.50; H. A. Brown, Foxcroft, (a) $6500, (b) $10, (c) 83c.; Sanders Engineering Co., Portland, (a) $5980, (b) $14, (c) 75c.; Noyes & Campbell, Augusta, (a) $7790, (b) $20, (c) $1. The lowest bid for the Frankfort Bridge was that of Cyr Bros., at $2792; for the Montville Bridge, E. L. Gerald, Clinton, at $2164.

✚**Providence, R. I.**—(Official)—The Department of Public Works has awarded the contract for building abutments of the Randall St. Bridge to the BRIGGS ENGINEERING & CONSTRUCTION CO., at $11,624. Other bidders were: Cruise & Smiley Construction Co., $12,918; Valley Co., $13,132; Farnighetti Bros. Co., $11,738.

Buffalo, N. Y.—(Official)—Bids will be received until 11 a.m., Sept. 15, by the Grade Crossing Commission, 436 Ellicott Sq., for a 152-ft. riveted truss through span on Bailey Ave. over the tracks of the Pennsylvania R.R. Edward B. Guthrie is Ch. Engr., Grade Crossing Comn.

✚✚**Greenwich, N. Y.**—(Official)—The towns of Greenwich and Easton have awarded contracts for construction of three concrete-steel bridges at Greenwich Village, Middle Falls and Clarks Mills to N. R. PORTERFIELD, 17 Battery Pl., New York, at $41,000. Other bidders were: K. O. Guthrie, Schenec-

tady, $44,000; Woolsey Construction Co., Poughkeepsie, $47,500; Flood & Van Wirt, Hudson Falls, $46,000. Foster Construction Co., Newark, N. J., $46,074. Noted Aug. 12.

✚**Trenton, N. J.**—The Board of Chosen Freeholders of Mercer County has awarded the contract for the construction of a bridge over Sanhican Creek at Willow St. to WHITTAKER & DIEHL, Harrisburg, Penn., at $8176. Other bidders were: F. W. Schwiers, Jr., Co., $8300; Foster Construction Co., $8873; Reese Taylor Co., $9018; Ginder Construction Co., $9670; Antonio Celentino, $10,619; American Paving & Construction Co., $11,475; G. B. Henderson & Son, $11,500; Charles T. Eastburn, $11,750. Noted Aug. 5 and 26.

Harrisburg, Penn.—The State Water Supply Commission has approved plans for the construction of the following bridges: Bucks County, bridge across Fall Creek on the Bridgetown-Revere Rd., Bridgetown Township, bridge over Trout Run, on the Pebble Hill Rd., Doylestown Township; Armstrong County, bridge over Cowanshannock Creek in Rayburn Township; Schuylkill County, bridge over Mahonoy Creek on road from Maizeville to Frackville, bridge over Mahonoy Creek at Gilberton.

✚✚**Philadelphia, Penn.**—The Department of Public Works has awarded the contract for the Holme Ave. Bridge to the McNICHOL PAVING & CONSTRUCTION CO., at about $72,000. Noted July 29 and Aug. 12.

✚**Clarksburg, W. Va.**—(Official)—Harrison County Court awarded contract for abutments and piers of bridge across West Fork River to McPHERSON BROS., Edgeworth, Penn., at $1.90 per sq.yd. for brick on concrete base. Other bidders were: Frech & Allen, $1.96; Keeley Bros., $1.95; Cisler & Morris, $2.08; W. F. Allen, $2.12; Charles H. Hoyt, $2.19. Noted Aug. 26.

✚✚**Wilson, N. C.**—(Official)—The Board of Drainage Commissioners, Mattamuskeet Drainage District, has awarded contract for a single-leaf plate girder Scherzer rolling lift bridge to the CHAMPION BRIDGE CO., Wilmington, Ohio. Noted Aug. 12.

Arcadia, Fla.—The Board of Commissioners of De Soto County contemplates the construction of a new bridge over the Kissimmee River. The estimated cost is $10,100.

✚**Clearwater, Fla.**—The Commissioners of Pinellas County have awarded the contract to the EDWARDS CONSTRUCTION CO., Tampa, for several bridges in connection with new road construction. The reported cost of the bridges is $45,000.

Akron, Ohio—(Official)—Commissioners of Summit County awarded contract for approaches and paving the Louis Young Bridge in Coventry Township to W. E. BURK & SON, Akron, at $4150. Other bidders were: D. E. Bowers, $4695; Ruhlin Bros., $4260; Portage Engineering Co., $4270. Noted Aug. 12.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Sept. 17, by Commissioners of Hamilton County for a bridge and retaining wall on Four Mile Rd., Anderson Township. Albert Reinhardt is Clk. of Comrs.

Cleveland, Ohio—(Official)—Bids will be received until 11 a.m., Sept. 22, by the Board of Commissioners of Cuyahoga County for bridge work, Report No. 3567. W. A. Stinchcomb is County Surv. E. G. Krause is Clk. of Comrs.

Cleveland, Ohio—(Official)—Bids will be received until 10 a.m., Sept. 25, by E. G. Krause, Clk. of Comrs. of Cuyahoga County, for bridge work, Report No. 3591.

Columbus, Ohio—(Official)—Bids will be received until noon, Sept. 17, by the Board of Commissioners of Franklin County for the following bridge work: Paving east approach to the Schrock Bridge, Blendon Township; foot bridge over the Scioto River on Mound St., Columbus; hand-rail on the Agler Bridge over Alum Creek, Mifflin Township. John Scott is Clk. of Comrs.

Dayton, Ohio—The City Commission has passed ordinances for the issuance of $338,000 for rebuilding the Fifth St. Bridge across the Miami River, and the Webster St. Bridge across the Mad River, at an estimated cost of $200,000 and $138,000 respectively. Both these bridges were destroyed in the flood of 1913. G. C. Cummin is City Engr.

✚**Delaware, Ohio**—The Commissioners of Delaware County have awarded the contract for the steelwork of the Winters St. Bridge to the DELAWARE BRIDGE CO., at about $17,500. The contract for the wood block floor was awarded to the ELKHART BRIDGE & IRON CO., Elkhart, Ind. Noted Aug. 12.

Delphos, Ohio—Bids will be received until noon, Sept. 22, by H. J. Lawlor, Audr. of Allen County, Lima, for two bridges over Flat Fork, one on Franklin and the other on Fifth St., Delphos.

Hamilton, Ohio—At the request of the Miami Conservancy Board, the Commissioners of Butler County have instructed the County Auditor to withdraw the advertisement for bids to be received Sept. 13 for the construction of the Columbia Bridge at Chestnut St. This action is taken until plans for flood prevention in Hamilton shall have been completed and adopted. It is expected that these plans will be finished in about 30 days. F. M. Hammerle is County Engr. Noted Aug. 12 and Aug. 26.

Milford, Ohio—The Commissioners of Clermont County, Batavia, have sold $8000 worth of bridge bonds, the proceeds of which will be used for the construction of a bridge across the East Fork of the Miami River in South Milford.

✚**Mt. Gilead, Ohio**—(Official)—Commissioners of Morrow County have awarded contract for Beatty Bridge, Cardington Township, to E. M. SCULLY, Columbus, at $3750. Noted July 29.

✚**New Philadelphia, Ohio**—(Official)—The Commissioners of Tuscarawas County have awarded the contract for a bridge over Sugar Creek Falls in Franklin Township to the MASSILLON BRIDGE CO., Massillon, at $2300 for the steel span, and $3.98 per sq.yd. for the floor. Noted Aug. 12.

Norwalk, Ohio—Bids will be received until 10:30 a.m., Sept. 14, by Charles E. Bloomer, Audr. of Huron County, for a concrete bidge in Clarkfield Township.

✚**Ravenna, Ohio**—(Official)—The Commissioners of Portage County have awarded the contract for a 75-ft. steel bridge over the North Mahoning River in Charlestown Township to C. PINNEY, Ravenna. Noted Aug. 12.

Steubenville, Ohio—(Official)—Bids will be received until noon, Sept. 17, by the Commissioners of Jefferson County for the construction of Bridge No. 33 in Warren Township, known as the Weatherston Bridge. It will be a concrete arch. John L. Means is County Audr.

✚**Bedford, Ind.**—(Official)—The Commissioners of Lawrence County have awarded the contract for four county bridges to the INTERNATIONAL STEEL & IRON CO., Evansville, at $5200. Other bidders were: Bedford F. & M. Co., $6728; Herman S. Fox, $5743; East St. Louis Bridge Co., $7859; Central States Bridge Co., $7164; Vincennes Bridge Co., $6446. Noted Aug. 19.

✚**Allegan, Mich.**—The Drain Commissioner of Allegan County has awarded contract for three new bridges over the Gun River Drain to the ELKHART BRIDGE & IRON CO., Elkhart, Ind., at $4419. They will be of steel with concrete floors.

Grand Rapids, Mich.—The lowest bid received by the Board of Public Works for a bridge over the tracks of the Grand Trunk Ry. on College Ave., N. E., was that of D. W. Boyes, Grand Rapids, at $12,908. The engineer's estimate was $14,998. L. E. Stevens is City Engr.

✚**Green Bay, Wis.**—(Official)—The Committee on Streets and Bridges has awarded the contract for a Strauss bascule bridge across the East River at Main St. to the GREILING BROS. CO., Green Bay, at $56,815. Other bidders were: Adolph Green, Green Bay, $56,815; Worden-Allen Co., Milwaukee, $58,400; Seims-Carey Co., St. Paul, Minn., $58,500; Edward E. Gillen Co., Milwaukee, $65,900. Noted Aug. 5.

✚**Milwaukee, Wis.**—The County Board of Milwaukee County has awarded the contract for a concrete bridge over the Root River in the Town of Franklin on the Kilbourn Rd. to JOSEPH UBBICK, at $9704.

✚**Nekoosa, Wis.**—The contract for a four-span 875-ft. bridge across the Wisconsin River has been awarded to the WAUSAU IRON WORKS, Wausau, at $42,889.

St. Paul, Minn.—It is reported that the City Council has adopted an emergency ordinance demanding that the Great Northern Ry. at once rebuild the Jackson St. Bridge over its tracks. Oscar Claussen is City Engr.

Ft. Riley, Kan.—It is estimated that the cost of replacing the bridge across the Republican River, which was washed out by the June floods, will be $30,000. The post authorities have petitioned the War Department to build a reinforced-concrete bridge of two 150-ft. spans and a 20-ft. roadway.

✚**Ogden, Kan.**—(Official)—The Commissioners of Riley County, Manhattan, received bids Sept. 1 for the repair of a bridge over the Kansas River at Ogden, as follows: CANTON BRIDGE CO., Kansas City, Mo., $10,800 (awarded contract); Leavenworth Bridge Co., $12,500; Western Bridge Co., $11,773. The engineer's estimate was $12,097. W. S. Gearhart, State Highway Engr., is Engr.-in-Charge. Noted Aug. 26.

✚**Alma, Neb.**—(Official)—The Commissioners of Harlan County have awarded the contract for bridge construction for a period of one year to the MONARCH ENGINEERING CO., Falls City, Neb. Noted Aug. 26.

Fairbury, Neb.—The Commissioners of Jefferson County contemplate constructing a 700-ft. bridge in Fairbury to replace present structure. Estimated cost, $30,000.

Tekamah, Neb.—(Official)—Bids will be received until noon, Sept. 18, by the Board of Directors of the Burt-Washington Drainage District, S. S. Breckenridge, Secy., for the construction of seven 100-ft. bridges and other smaller bridges in the district. The Towl Engineering Co., 1122 City National Bank Bldg., Omaha, is Drainage Engr.

✚**Medora, N. D.**—(Official)—Billings County and the State Highway Commission have awarded the contract for a bridge over the Little Missouri River to the ILLINOIS STEEL BRIDGE CO., St. Paul, Minn., at $14,580. Other bidders were: Security Bridge Co., $15,698; Fargo Bridge & Iron Co., $16,100; Continental Bridge Co., $16,400; Iowa Bridge Co., $15,300; Midland Bridge Co., $17,500; Minneapolis Bridge Co., $16,000. Noted Aug. 12 and Sept. 2.

Roundup, Mont.—Bids will be received until Sept. 10 by the Commissioners of Musselshell County for four steel bridges over the Musselshell River as follows: Ryegate, 140-ft. span; Delphia, 140-ft. span; Gage, 123-ft. span; Absher, 140-ft. span on 175-ft. base with two piers. Ray E. Bushnell is County Surv.

Gallatin, Mo.—The Board of Commissioners of Daviess County plans to rebuild bridges destroyed by recent floods at a loss of about $40,000.

Joplin, Mo.—The city has recently voted a bond issue of $13,000 to pay its share of the cost of a viaduct over the tracks of the Kansas City Southern Ry. The city will bear one-third the expense, and the Kansas City Southern and the Missouri, Kansas & Texas Ry. will pay the remainder. Plans have been prepared by the railway companies. Noted Feb. 25 and June 3.

✚**Devall Bluff, Ark.**—The Commissioners of Road District No. 1 have awarded the contract for four new bridges to M. KELLY, Little Rock.

El Dorado, Ark.—(Official)—Bids will be received until 10 a.m., Sept. 25, by the Commissioners of Union County for the construction of a bridge across Beech Creek on the El Dorado and Mt. Holly Rd., on the site of the old bridge. W. H. Hawkins is Chn. of Comrs.

Laredo, Tex.—It is reported that bonds for $15,000 have been issued by the city, the proceeds of which will be used for bridge construction. E. J. Foster is City Engr.

Rockport, Tex.—A special election will be held Sept. 18 to submit to the voters the question of issuing $300,000 in bonds, the proceeds of which will be used for building a reinforced-concrete causeway across Aransas Bay between Lamar and Live Oak peninsulas. Roy Jackson is Judge of the Aransas County Commissioners Court.

Chandler, Okla.—Bids will be received until Sept. 13 by J. C. Pringey, Clk. of Lincoln County, for the construction of 12 steel bridges in the county.

✚**Oklahoma, Okla.**—The contract for a four-span steel suspension bridge over the Canadian River has been awarded to the BAKER CONSTRUCTION CO., at $60,000.

✚✚**Tulsa, Okla.**—(Official)—The Commissioners of Tulsa County have awarded the contract for the construction of an 18-span reinforced-concrete bridge over the Arkansas River to the MISSOURI BRIDGE & IRON CO., Leavenworth, Kan., at $160,000. Other bidders were: Midland Bridge Co., Kansas City, Mo., $19,345; Winston Bros. Co., Minneapolis, Minn., $165,984; Kansas City Bridge Co., Kansas City, Mo., $190,167; H. G. Glass, San Antonio, Tex., $185,297; Joseph T. Luntey, Tulsa, $164,422. Noted July 22 and Aug. 5.

Artesia, N. M.—The Commissioners Court of Eddy County and James A. French, State Engr., Santa Fé, have authorized the extension of the bridge across the Pecos River at Artesia.

Hailey, Idaho—Bids will be received until Sept. 13 by the Commissioners of Blaine County for the construction of a bridge across the Malad River.

✚**Pocatello, Idaho**—The Commissioners of Bannock County have awarded the contract for removing old bridge, and constructing a new one across the Snake River near Tilden to the MIDLAND BRIDGE CO., Kansas City, Mo., at $7250.

✚**Clifton, Ariz.**—The Board of Supervisors of Greenlee County has awarded contract for driving 500 piles for the protection of the new Duncan Bridge to the EL PASO BRIDGE CO., El Paso, Tex., at $19.95 per pile.

✚**Dunsmuir, Calif.**—Bids were received Aug. 23 by the State Highway Commission, Sacramento, for the construction of a reinforced-concrete bridge over the Sacramento River near Dunsmuir, as follows: F. H. GREEN, Eureka, $22,600 (awarded contract); P. J. Lechner, Alameda, $23,994; Moffett & Mead, San Francisco, $24,750; Pacific Coast Construction Co., Fresno, $27,300. The engineer's estimate was $22,267. Noted Aug. 5 and 12.

✚**El Monte, Calif.**—The Supervisors of Los Angeles County, Los Angeles, have awarded the contract for a reinforced-concrete bridge over the San Gabriel River at El Monte to MESMER & RICE, Marsh-Strong Bldg., Los Angeles, at $93,000. Noted July 29 and Aug. 19.

✚**Santa Barbara, Calif.**—The City Trustees have awarded the contract for the construction of a bridge at Carilio and Castillo St. to MUNOZ & MUNOZ, Los Angeles, at $18,000. Noted Apr. 29.

✚**Ventura, Calif.**—(Official)—The Board of Supervisors of Ventura County has awarded the contract for the Conejo Bridge near Camarillo to MUNOZ & MUNOZ, Central Bldg., Los Angeles, at $7733. The contract for the approach to the Saticoy Bridge was awarded to the BOARDMAN CONSTRUCTION CO., W. P. Story Bldg., Los Angeles, at $6000, and for the abutment for the same structure to the PUTNAM STONE CONSTRUCTION CO., Pasadena, at $10,811. Noted Aug. 19.

Yreka, Calif.—(Official)—No bids will be received by the Superivisors of Siskiyou County for the construction of a bridge over the Scott River as the work is to be done under an emergency act. W. J. Neilon is County Clk. Noted Aug. 26.

WATER SUPPLY—IRRIGATION

✚**Boston, Mass.**—The contract has been awarded to the STANDARD CAST IRON PIPE & FOUNDRY CO., Bristol, Penn., at $12,633, for furnishing water pipe.

✚**Centerville, N. Y.**—Contracts have been awarded to ABNEY HARPER CO., Inc., Newburgh, at $8277, for laying water mains and to R. D. WOOD & CO., Philadelphia, Penn., at $10,883, for furnishing water mains and specials. Noted July 29 and Aug. 26.

New York, N. Y.—(Official)—Bids were received Aug. 31 by the Board of Water Supply for water-pipe equipment for operating valves in the shafts of the city tunnel of the Catskill Aqueduct as follows: F. N. Lewis, 411 Manhattan Ave., New York, $13,411; D. C. Serbe & Lassette & Murphy, $13,814; Conners Bros. Co., $15,858 and H. E. Fox, $17,405. Noted Aug. 19.

Trumansburg, N. Y.—The construction of a municipal water system has been postponed as the majority of the citizens are not in favor of it. Noted May 6.

East Orange, N. J.—F. N. Lewis, New York, N. Y., at $41,911, was low bidder for making extension to the water distributing system, materials to be furnished by the city. Noted Aug. 19.

New Brunswick, N. J.—The installation of a filtration plant at the water-works is under consideration by the city.

Peapack, N. J.—The Borough Council plans to issue $55,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Feb. 26.

Allentown, Penn.—Bids will be received about Sept. 15 by the City Council for furnishing new equipment at the pumping station. The estimated cost is about $30,000. Joseph A. Schmidt is City Clk. Noted Aug. 12.

✚**Bradford, Penn.**—The contract has been awarded to M. APPLEGATE & Son, for laying water mains. The contract for furnishing pipe has been awarded to the U. S. CAST IRON PIPE & FOUNDRY CO.

Wheeling, W. Va.—An election will be held in the fall, according to press reports, to vote on the question of issuing $300,000 in bonds, the proceeds of which will be used for the construction of a well system for the water-works. Noted July 8.

Baconton, Ga.—Bonds for $5500 have been voted by the citizens, the proceeds of which will be used for the construction of water and electric-light systems. J. B. Miller is Mayor. Noted Aug. 5.

Helena, Ga.—The city contemplates spending $8000 for the construction of a water system.

✚**Phenix City, Ala.**—(Phœnix post office)—The contract has been awarded to the SCHOFIELD'S IRON WORKS, Macon, Ga., at $5100, for constructing a 180,000-gal. standpipe for the water system. Noted Apr. 29.

Wesson, Miss.—M. L. Culley, Jackson, has been retained by the city to prepare plans for the construction of water system.

Covington, Ky.—Bids will be received until Sept. 8 by J. Mason Howk, Comr. Pub. Property, for trenching in Licking River. Noted Aug. 5.

Hawesville, Ky.—The Hawesville Water & Light Co., recently incorporated with $12,000 capital by W. H. Williams and others, will construct a water system.

✚**Bluffton, Ohio**—The contract has been awarded to THEODORE G. SCHEILD, Lima, at $15,523, for making improvements to the water system. Noted May 6.

Oberlin, Ohio—Press reports state that bids will be received until Sept. 10 by the City Clerk for constructing a 10,000,000-gal. reservoir. Noted Aug. 12.

✚**Silverton, Ohio**—(Official)—The contract has been awarded to W. D. MEGRUE, Pleasant Ridge, Cincinnati, for laying 6-in. water main in various streets. Noted Aug. 26.

Miller, Ind.—Bids will be received until Sept. 15 by the Town Clerk for constructing a water system. The estimated cost is $14,000. W. J. Fulton, Gary, is Engr. Noted Aug. 26.

South Lyon, Mich.—The citizens at a recent election voted against the question of isuing bonds for $16,000, the proceeds of which was to have been used for the construction of a water system. Noted June 3.

Amboy, Ill.—(Official)—Bids will be received until 2 p.m., Sept. 27, by F. N. Vaughan, Mayor, for constructing a steel water tank. F. A. Flach is City Clk.

Lemont, Ill.—An election will be held Sept. 14 to vote on the question of issuing $8000 in bonds, the proceeds of which will be used for the extension of the water system. M. Keough is Chn. Bd. of Trustees.

Mackinaw, Ill.—The water plant of the Mackinaw Water Co. will be purchased by the city. An appropriation of $8500 has been made for this purpose. An election will be held Sept. 10 to vote on the question of issuing bonds, the proceeds of which will be used for the enlargement of the system.

Oshkosh, Wis.—Plans are being prepared for the construction of a filtration plant at the water-works. J. C. Walter is Asst. City Mgr. Noted Aug. 26.

Akron, Iowa—Bonds for $5000 have been voted by the citizens, the proceeds of which will be used for the improvement of the water system.

✚**Charlton, Iowa**—Contracts have been awarded for constructing a water system as follows: MALEY & KELLEY, Kansas City, Mo., at $38,000, for constructing an earth dam; J. W. TURNER IMPROVEMENT CO., Des Moines, Iowa, at $11,000, for constructing a pumping station and at $18,699, for constructing a pipe line and to the PITTSBURGH FILTER CO., at $4637, for equipment. Noted Aug. 19.

✚**Le Mars, Iowa**—The contract has been awarded to the DES MOINES BRIDGE & IRON CO., at $4350, for constructing a water tower.

Salix, Iowa—Press reports state that bids will be received until Sept. 15 by J. M. Huck, Village Clk., for constructing a water system. W. L. Bruce, Yankton, S. D., is Engr. The estimated cost is $10,000. Noted June 3.

Carlton, Minn.—The Council contemplates installing a water system. The estimated cost is $16,000.

✚**Hopkins, Minn.**—The contract has been awarded to the SYKES CO., Minneapolis, for constructing water mains in 12th Ave. N. and in Seventh Ave. N.

✚**St. James, Minn.**—The contract has been awarded to J. G. ROBERTSON, St. Paul, for constructing a water system.

Watkins, Minn.—An election will be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system. Noted May 20.

Attica, Kan.—The city has retained E. T. Archer & Co., Kansas City Mo., to prepare plans for the construction of a water system. The estimated cost is $30,000. J. C. McCaddon is City Clk. Noted Sept. 2.

Elkhorn, Kan.—An election will be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system.

Hillsboro, Kan.—The city contemplates constructing water and sewer systems at an estimated cost of $30,000. H. H. Beck is Mayor.

Russell, Kan.—Plans are being prepared for the construction of about two miles of water mains. W. B. Rollins & Co., Midland Bldg., Kansas City, Mo., is Engr.

Spearville, Kan.—Bids will be received until Sept. 15 by R. E. Wood, City Clk., for constructing a water system. Rollins & Co., Kansas City, Mo., is Engr. Noted Aug. 26.

Bayard, Neb.—At a recent election the citizens voted in favor of issuing bonds, the proceeds of which will be used for the construction of a municipal water system.

Hastings, Neb.—Bids will be received until 2 p.m., Sept. 13, by W. S. Watson, Comr. of Light and Water, for driving 24-in. wells about 130 ft. deep and for furnishing a 24-in. motor driven centrifugal turbine pump.

✚**Syracuse, Neb.**—Contracts have been awarded to the CHICAGO BRIDGE & IRON WORKS, Chicago, Ill., at $3990, for water tower and to the ELKHORN CONSTRUCTION CO., Fremont, at $3788, for water mains.

Aberdeen, S. D.—About 500 water meters will be purchased by the City Commissioners.

Gayville, S. D.—Bonds have been voted by the citizens. The proceeds will be used for the construction of a water system.

Sioux Falls, S. D.—Water service connection will be constructed in Spring Ave. from Third St. to 18th St. Walter C. Leyse is City Audr.

Hankinson, N. D.—While plans are being prepared for the construction of a water system, the construction will not take place for some time to come.

Baggs, Wyo.—Plans are being prepared for the construction of a water system and an electric-light system by E. Carlisle, Cheyenne, Wyo.

✚St. Joseph, Mo.—(Official)—The contract has been awarded to ST. JOSEPH WATER CO., St. Joseph, for making extensions to the water system. Noted Aug. 26.

Beaumont, Tex.—All bids received for the improvement of the water system have been rejected. New bids will soon be received. Noted Aug. 5.

Longview, Tex.—Permission has been granted to the city by the State Board of Water Engineers to divert 1,000,000 gal. of water daily from the Sabine River to supply the local water system. A pumping plant will be installed. Noted Mar. 14, 1914.

Mineola, Tex.—The Mineola Ice, Light & Water Co. has been purchased by the city. Improvements, estimated to cost $25,000, will be made. Noted May 6.

Grove, Okla.—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the extension of the water system. Noted Aug. 5.

Jones, Okla.—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the construction of water and electric-light systems. The Benham Engineering Co., Concord Bldg., Oklahoma, is Engr. Noted July 8.

Kusa, Okla.—(Official)—We have been advised that the town will not construct a water system before 1916. Noted Aug. 26.

Marshall, Okla.—Bids will be received about Sept. 15 by the City Clerk for constructing a water system. The estimated cost is $25,000. The Benham Engineering Co., Oklahoma City, is Engr. Noted Aug. 5.

Pueblo, Colo.—Press reports state that bids will soon be received for the construction of a dam across the Arkansas River. The Pueblo Water-Works No. 2 is in charge.

Platteville, Colo.—An election will be held Sept. 14 to vote on the question of issuing $30,000 in bonds, the proceeds of which will be used for the construction of a water system.

Hailey, Idaho—Plans are being prepared, according to press reports, for the construction of a concrete dam in Dry Creek. The estimated cost is $100,000. The Blaine County Investment Co. is the owner.

✚St. Maries, Idaho—(Official)—The contract has been awarded to W. L. GEIST, St. Maries, at $29,110, for laying water mains and for constructing a concrete dam. Other bidders were: James C. Broad, $30,065; Carlson, Chindahl & Anderson, $29,394; W. G. Mulligan Co., $33,212; Two Miracle Concrete Corp., $31,172; P. Agrios, $33,831; Security Bridge Co., $29,085 and C. A. Burnette, $31,917. Charles R. Schulte is Clk. Noted Aug. 19.

Myton, Utah—(Correction)—Bids will be received until 1 p.m., Sept. 20, by R. B. Croix, Town Clk., for constructing a water system. Noted Sept. 2.

Newport, Wash.—The city plans to construct a 10-mile pipe line from Spencer Creek to Newport. The estimated cost is $24,000.

Bend, Ore.—The Bend Water, Light & Power Co. contemplates making extensions to its water system.

Milwaukee, Ore.—Bonds for $25,000 have been voted by the citizens, the proceeds of which will be used for the completion of the municipal water system. Noted July 29.

Portland, Ore.—(Official)—We have been advised that the city does not contemplate the construction of a pumping station, reservoirs and laying water mains in the Linnton Addition. D. Clarke is Engr. Water Bureau. Noted Aug. 19.

Los Angeles, Calif.—Arrangements have been made by the Public Service Commission for the purchase of the Union Hollywood Water Co.'s system. The estimated cost is $575,000.

Cochrane, Ont.—Bids will soon be received for the extension of the water system. H. J. Brown is City Clk.

Listowel, Ont.—A water system will be constructed at an estimated cost of $5400. W. Bright is Town Clk.

✚Drumheller, Alta.—The contract for constructing a water system has been awarded to E. R. LEVERTON, Calgary, at $5170.

New Westminister, B. C.—Extensions will be made to the upper reservoirs. The estimated cost is $15,000. J. W. Blackman is Engr.

Prince George, B. C.—An expenditure of $80,000 will be made for the improvement of the water system.

SEWERS

Peak Island, Maine—(Portland post office)—The State Board of Health has instructed the city to install a complete sanitary sewer system.

Rochester, N. H.—(Official)—Bids were received Aug. 31 by the Water and Sewer Committee for the construction of approximately 8100 ft. of 8- and 12-in. pipe sewers as follows: Henry Spinach Construction Co., $13,948; M. A. Gammins, $13,844; Susi & Williams, $10,894; Sorells & Prohenno, $11,737; W. M. Ames, $10,525; William J. Donovan, $13,102; Bull & Cassidy, $16,781; L. E. Scinton, $12,455; C. W. Foss Co., $8,253; M. Russo & Co., $14,465; Fred W. Stowers, $13,357; M. De Sisto, $9,674; Luchini & Mangari, $14,061; A. Michelini, $16,521; Mayo Construction Co., $13,037; Sacco & Wood, $10,347. F. Hussey is Clk. of the Water and Sewer Com. Noted Aug. 19.

✚Boston, Mass.—The contract for the construction of sewers in Albany and Dover St. and Massachusetts Ave. has been awarded to WILLIAM BARRETT & CO., at $36,415.

Boston, Mass.—Bids will be received until Sept. 17 by the Board of Public Works for the construction of sewers and drains in Lanark Rd. and Telford St., Brighton District. Edward F. Murphy is Comr. of Pub. Wks.

Lawrence, Mass.—(Official)—The city will construct sewers by day labor. The estimated cost is $30,000. Noted Sept. 2.

Hamden, Conn.—Preliminary plans have been prepared by Clyde Potts, Engr., 30 Church St., New York, N. Y., for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $246,000. Noted May 13.

Stratford, Conn.—The city contemplates the construction of a sewer system.

Albany, N. Y.—The city contemplates the construction of a new interceptor sewer which will extend from the main intercepting sewer in Front St. through North Jay St., South Ave., Romeyn St., Myers Alley, Park Pl. to Union St. and thence to connections with prospective sewers.

Brookport, N. Y.—All bids received Aug. 25 by F. E. Reynolds, Village Clk., for the construction of a sewage-disposal plant have been rejected. New bids will be received. The estimated cost is $25,000. Charles C. Hopkins, Culter Bldg., Rochester, is Engr. Noted Aug. 19.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Sept. 1 by L. H. Pounds, Borough Pres., for the construction of sewer basins in (a) Glenmore and Railroad Ave., Pine and Hemlock St., (b) New Jersey and Hegeman Ave., (c) William and Vienna Ave., (d) West St. as follows: Frank Merridino, 556A 17th St., Brooklyn, (a) 84%, (b) 98%, (c) 84.91%, (d) 95%; Pellegrino Construction Co., 6802 New Utrecht Ave., Brooklyn, (a) 109.45%, (b) 96.95%, (c) 112.7%, (d) 119%; Joseph Jennings, (a) 130%, (b) 130%, (c) 130%, (d) 140%; Murphy Bros., 25th St. and Cropsy Ave., Brooklyn, (a) 91%, (b) 88%, (c) 84%; S. Paconi, (b) 118%, (c) 125%, (d) 135%. Noted Aug. 26.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by L. H. Pounds, Pres., until 11 a.m., Sept. 15, for constructing a sewer in East Eighth St., from Ave. L to Ave. M.

✚New York, N. Y.—(Borough of Manhattan)—(Official)—Contracts for sewer construction have been awarded to CASPERINE & De BLASIO, 357 East 116th St., New York, at $4457, First Ave. sewer, and to the H. E. FOX CONSTRUCTION CO., 81 East 125th St., New York, at $32,040, for outlet sewer at Dyckman St. and the Hudson River, including the construction of a submerged outlet and screening chamber. Noted Aug. 26.

New York, N. Y.—(Borough of Queens)—(Official)—Bids were received Sept. 1 by Maurice E. Connelly, Borough Pres., for the construction of sewers and appurtenances in (a) Maspeth Ave. from Newton Creek to Rust St., Rust, Creek and Clark St., Second Ward, (b) Grand St., Second Ward, (c) Perry Ave. from Clark to Maurice Ave. and in Maurice Ave. from Perry to Hull Ave., Second Ward, as follows: Peace Bros., (a) $141,315, (b) $87,625, (c) $113,410; F. B. Smith, (a) $111,750, (b) $78, 775, (c) $94,805; Kingsbridge Contracting Co., 30 East 42d St., New York, (a) $81,542, (b) $74,198, (c) $92,761; Ward & Tully, Inc., (a) $105,770, (b) $73,655, (c) $94,199; Joseph L. Sigretto, (a) $116,900, (b) $75,254, (c) $83,000; U. S. Drainage & Irrigation Co., (a) $106,915, (b) $84,493, (c) $92,739; A. L. Guidone & Son, (a) $110,442, (c) $87,933; J. F. Cogan Co., (a) $105,747, (b) $86,180, (c) $92,662; J. E. Consalus Co., (a) $107,169; Clancy & Van Alst, 401 Broadway, Long Island City, (b) $73,655, (c) $85,568; Murphy Bros., (b) $96,600, (c) $83,955; Lawrence Contracting Co., (c) $89,730; Rosenthal Engineering & Contracting Co., (c) $93,404; Anabell Construction Co., (c) $90,548; William M. Stanton, (c) $78,837; Leo E. Kelly, (c) $84,056. Noted Aug. 26.

Newark, N. J.—(Official)—Bids were received Aug. 31 by the Passaic Valley Sewerage Commissioners for the construction of the superstructure of the Newark Bay pumping station, Section No. 5 as follows: J. H. Steele & Son, Paterson, N. J., $149,997; Cramp & Co., New York, N. Y., $148,490; Becker Construction Co.,Newark, N. J., $145,990; Joseph Jewkes & Sons Co., Jersey City, N. J., $143,250; Frederick Kilgus, Inc., Newark, N. J., $140,400; E. M. Waldron & Co., Newark, N. J., $140,000; Simon Russek, Inc., New York, N. Y., $139,900; Connors Bros. Co., New York, N. Y., $139,400; Cauldwell-Wingate & Co., New York, N. Y., $137,709; E. M. Waldron Inc., Newark, N. J., $128,000; D. W. McGee Construction Co., Newark, N. J., $128,000; D. W. McGee Construction Co., Newark, N. J., $122,123,383; A. L. Guidone & Sons, Inc., New York, N. Y., $122,330; Essex Construction Co., Newark, N. J., $114,289; William G. Sharwell & Co., Newark, N. J., $109,638. Noted July 8.

Riverside, N. J.—The city contemplates the construction of a sanitary sewer system and a sewage-disposal plant. Joseph H. Weston is Clk.

Verona, N. J.—Bids will be received until Sept. 25 by the city for the construction of a sewer system and a sewage-disposal plant. Robert Chesney is City Clk. Noted May 20.

Allentown, Penn.—The City Council contemplates the construction of a sewer system. Charles D. Weirbach is City Engr.

Lebanon, Penn.—The lowest bid received for the construction of a sewage-disposal plant was that of the Pitt Co., Lebanon. The estimated cost is $50,000. T. R. Crowell is City Engr. Noted Aug. 19.

✚Sellersville, Penn.—(Official)—The contract for the construction of approximately 22,640 ft. of 8-, 10- and 12-in. sewers has been awarded to DWYER & CO., 1524 Chestnut St., Philadelphia, at $20,620. Other bids were: Cantrell Construction Co., Philadelphia, $25,970; G. W. Ensign, Harrisburg, $26,690; Antonio Celentino, Trenton, N. J., $27,830; J. M. Hamilton, Jr., Oakmont, $28,525; James Ferry & Sons, Baltimore, Md., $29,625. Noted Aug. 19.

✚West Chester, Penn.—(Official)—The contract for the construction of a sewage-disposal plant and 1500 ft. c.-i. force mains has been awarded to M. & T. E. FARRELL, West Chester, at $6290. Other bids were: Manwaring & Cummins, Philadelphia, $6997; Lewis & Roth, Philadelphia, $7688; Kelley-McFeeley Co., Camden, N. J., $6638. Noted Aug. 19.

✚Wilkinsburg, Penn.—The contract for the construction of storm and sanitary sewers in portions of Wood St. has been awarded to A .V. PURNELL, 507 Jackson St., Allegheny, at $38,890.

✚**Farmville, Va.**—The contract for the construction of a sewer system has been awarded to the J. B. McCRARY CO., Atlanta, Ga.

Richmond, Va.—The city contemplates the construction of a sewer system in Ginter Park with outlets into Griffin and Shoekee Creek. M. O. Hankins is Mayor.

High Point, N. C.—The city contemplates the construction of an outfall sewer system. The estimated cost is $5000.

✚**West Asheville, N. C.**—(Asheville post-office)—The contract for the construction of approximately one mile of sewers has been awarded to REED & WELLS, Asheville.

Winston-Salem, N. C.—Plans are being prepared for the construction of a sewer system. The estimated cost is $8000.

Macon, Ga.—Plans have been prepared by J. J. Gaillard, City Engr., for the construction of sewers to take the place of the old Vineville branch. Noted Sept. 2.

Daytona, Fla.—Bids will soon be received for the sale of $150,000 in bonds, the proceds of which will be used for sewer construction.

Henderson, Tenn.—Bids will soon be received by J. I. Galbraith, Mayor for the construction of a sewer system. The estimated cost is $14,000.

✚**Canton, Ohio**—The contract for the construction of the Shrivers Run Sewer has been awarded to NEWTON E. WISE, Canton, at $32,297.

✚**Chardon, Ohio**—Contracts for sewer construction have been awarded to the KENT CONSTRUCTION CO., at $12,346, sewage-disposal plant; J. B. SHEETS & CO., Pittsburgh, Penn., at $32,447, sewer system. Noted Aug. 12.

✚**Cincinnati, Ohio**—The contract for the construction of sewers in Lossing, Randolph and Duluth St. has been awarded to THOMAS P. STRACK, at $4377. Noted July 22.

Cleveland, Ohio—Bids will be received until noon, Sept. 15, by the Commissioner of Purchases and Supplies for the construction of two reinforced-concrete tanks and appurtenances for the sewage treatment works. Robert Hoffman is City Engr.

✚**Columbus, Ohio**—Contracts for sewer construction have been awarded by the Board of Control as follows: Jackson and Cherry St. sewer to RUSSELL & JENNISON CO., at $34,086; and $8998 respectively; City Blvd. sewer to H. P. STREICHER CO., at $26,332; Monroe St. sewer to HARRIS & TANSEY, at $15,735; Camden St. sewer to the ASPHALT BLOCK PAVEMENT CO., at $10,693; Ogden Ave. sewer to McKINNEY BROS., at $21,663. Noted Aug. 5.

Mansfield, Ohio—(Official)—The contract for the construction of sewers in various streets will be awarded about Nov. 1. The estimated cost is $6500. W. J. Hazeltine is City Engr. Noted Aug. 26.

Portsmouth, Ohio—(Official)—Bids will not be received this year for the construction of sewers in the northern and eastern sections of the city extending into Lawsons Run. The estimated cost is $90,000 and $35,000 respectively. Noted Aug. 26.

Springfield, Ohio—The City Commission will issue $6271 in bonds for the construction of storm water sewers in Lowry Ave. from State to Clark St.

Hammond, Ind.—All bids received for the construction of the Van Buren St. sewer have been rejected. New bids will be received by the Board of Public Works.

Kendallville, Ind.—The city contemplates the construction of sewers in the southern and western sections of the city. The estimated cost is $18,000. Willis Sawyer is City Engr.

Grand Rapids, Mich.—Preliminary plans have been prepared for the construction of a sewage-disposal plant. The estimated cost is $10,000. J. R. Rumsey, Grand Rapids, is Engr.

✚**Hastings, Mich.**—The contract for the construction of an Imhoff tank has been awarded to J. H. SULLIVAN, Grand Rapids.

Reed City, Mich.—Bids will be received by the Sewer Committee until 3 p.m., Sept. 14, for the construction of approximately 19,500 ft. of 6- to 18-in. pipe sewers with manholes, reinforced-concrete settling tank, sludge filter and 3180 ft. of 8- to 18-in. storm sewers with inlet basins and connections. W. G. Potter, 1201 Hartman Bldg., Chicago, Ill., is Engr.

Aurora, Ill.—Bids will soon be received for the construction of a sewer system in the northeastern section of the city. The estimated cost is $12,700. M. Tarble is Engr.

Chicago, Ill.—Bids will be received until 11 a.m., Sept. 18, by the Board of Local Improvements for the construction of sewers in various streets. Edward J. Glackin is Pres., Bd. Local Impv. Noted Aug. 19.

✚**Quincy, Ill.**—The contract for the construction of a sanitary sewer in the northeasternly section of the city has been awarded to HENRY REES, Quincy, at $14,549. Noted June 24.

Kenosha, Wis.—Bids will be received by the Street Assessment Committee until 2 p.m., Sept. 17, for the construction of sewers in various streets. Noted Aug. 19.

Madison, Wis.—Plans have been prepared by E. E. Parker, City Engr., for improvements to the sewage-disposal plant including new force main, sub-pumping station in the Ninth Ward and intercepting sewer in Murray St. The estimated cost is $125,000.

Racine, Wis.—No bids were received by the Board of Public Works for the construction of sewers in La Fayette Ave. The work will be done by city forces. P. H. Connolly is City Engr.

Randolph, Wis.—(Official)—Bids will be received about Nov. 1 for the construction of a sanitary sewer system. W. S. Shields Co., Chicago, Ill., is Engr. Noted Sept. 2.

Superior, Wis.—The lowest bid submitted for the construction of a main sewer in West 13th St. and Cadott Ave. was that of the Pastoret Construction Co., at $6159. Noted Aug. 26.

✚**Ft. Dodge, Iowa**—The contract for the construction of sewers in District Nos. 1, 2 and 4 has been awarded to BENSON & REED.

Sioux City, Iowa—Bids will be received until Sept. 18 by Paul J. Wells, City Clk., for the construction of approximately 15,500 ft. of 8-in. pipe sewers and 43 manholes. T. H. Johnson is City Engr. Noted Aug. 26.

Waterloo, Iowa—Plans have been prepared by C. A. Roby, City Engr., and submitted to the City Council, for the construction of sewers in the Westfield, Galloway, Hagerman and Downing additions. The estimated cost is $61,369. Burns & McDonnell, Kansas City, Mo., is Consult. Engr. Noted July 8.

Excelsior, Minn.—Plans are being prepared for the construction of a storm sewer system. Abbott & Budd, Kasota Bldg., Minneapolis, is Engr.

Herman, Minn.—Plans have been prepared by J. E. Cole, Engr., for the construction of a sewer system. F. C. Anderson is Village Recdr.

Hillsboro, Kan.—The city contemplates the construction of a sewer system. H. H. Beck is Mayor.

✚**Topeka, Kan.**—The contract for the construction of sanitary sewers in District No. 45 has been awarded to JOHN S. HARRINGTON, 2519 West 18th St., Topeka, at $4309. Noted Aug. 5.

Grand Island, Neb.—Bids will be received about Sept. 20 for the construction of storm sewers. The estimated cost is $100,000. William Grant, Lincoln, is Consult. Engr., and H. E. Clifford is City Clk. Noted Sept. 2.

✚**Bozeman, Mont.** — (Official)—The contract for the construction of storm sewers in District Nos. 98 and 99 has been awarded to the WARREN CONSTRUCTION CO., Bozeman. Noted Aug. 12.

Whitehall, Mont.—Bids will be received Sept. 23 instead of Sept. 18 by F. E. McCall, Clk., for the construction of a sewer system and an Imhoff disposal tank. George E. Baker is Consult. Engr. Noted Sept. 2.

✚✚**Dallas, Tex.**—(Official)—Contracts for sewer construction have been awarded as follows: Contract No. 5, North Interceptor, Contract No. 7, disposal works including 36-in. force main from Station No. 5 plus 88.7 to disposal works to BAILEY, REEDER & CO., Mobile, Ala., at $80,708 and $204,976 respectively; Contract No. 6, pumping station, 36-in. force main and Oak Cliff trunk line across the Trinity River to the ROACH-MANIGAN PAVING CO., Dallas, at $98,434. Noted July 29 and Sept. 2.

Cushing, Okla.—An election will soon be held to vote on the question of issuing $30,000 in bonds. The proceeds will be used for the construction of a main intercepting sewer system. The Benham Engineering Co., Oklahoma City, is Engr.

Marlow, Okla.—An election will be held Sept. 16 to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for the construction of a main sanitary sewer system. The Benham Engineering Co., Concord Bldg., Oklahoma City, will prepare plans and supervise the construction work.

✚**Sand Springs, Okla.**—(Official)—The contract for the construction of approximately 1½ miles of storm sewers has been awarded to the CONNELLY CONSTRUCTION CO., El Reno, at $5025. Noted Aug. 5.

Bonners Ferry, Idaho—Preliminary plans are being prepared by Sawyer Bros., Spokane, Wash., for the construction of a sewer system. The estimated cost is $20,000. Noted Sept. 2.

Mountain Home, Idaho—It is reported that plans are being prepared for the construction of sewers in two districts. The estimated cost is $10,000. F. G. Ticknor is Town Clk.

✚**Anacortes, Wash.**—The contract for the construction of the O St. sewer has been awarded to NELS ERICKSON, at $5012.

Spokane, Wash.—The City Council is considering the forming of a new sewer district in the northern section of the city and constructing sewers. The estimated cost is $70,000.

Forest Grove, Ore.—Bids will be received until 8 p.m., Sept. 21, by M. R. Markham, City Recdr., for the construction of a sanitary sewer system and a sewage-disposal plant. J. B. & R. E. Koon, Portland, is Consult. Engr. Noted Aug. 19.

Portland, Ore.—(Official)—Bids will be received until Sept. 14 by A. L. Barbour, City Audr., for the construction of sewers in Water and Mill St. The estimated cost is $15,700. Philip H. Dater is City Engr. Noted Sept. 2.

Marysville, Calif.—At a recent election the citizens voted to issue $18,000 in bonds, the proceeds of which will be used for the construction of a sewer system in the Ellis Lake District. Noted Aug. 5.

Cochrane, Ont.—Bids will soon be received for the construction of a sewer system. H. J. Brown is City Clk.

Ft. Frances, Ont.—The city contemplates the construction of sewers in Sinclair, Victoria and Armit St. J. W. Walker is Clk.

Owen Sound, Ont.—The city will construct sewers in Fourth and Eighth Ave. Charles Gordon is Clk.

Toronto, Ont.—Bids will be received until Sept. 14 by the Board of Control for the construction of sewers in various streets. R. C. Harris is Comr. of the Pub. Wks.

GARBAGE

Springfield, Mass.—Plans have been prepared for the construction of an incinerator at the South End yards. The estimated cost is $8000.

Moline, Ill.—The citizens contemplate installing an incinerator. A. Stouffer is Comr.

Duluth, Minn.—The city will construct an incinerator at an estimated cost of $8360. Noted May 13.

Salina, Kan.—The installation of an incinerator is under consideration by the citizens.

✚**Hillsboro, Tex.**—The City Council has awarded a contract to J. W. STOKES, Waxahachie, at $4760, for constructing a new garbage crematory. Noted Apr. 22.

STREETS AND ROADS

+Boston, Mass.—The contract for the construction of 11,000 lin.ft. of road in Northampton has been awarded to the PHILADELPHIA CONSTRUCTION CO., Melrose, at $18,572. Noted Aug. 5.

Franklin, Mass.—According to press reports plans are being considered for widening West Central St. between Union St. and the State Highway. Estimated cost, $4000.

+Danielson, Conn.—The contract for the construction of approximately 2590 ft. of amiesite pavement has been awarded to the CONNECTICUT & RHODE ISLAND CO., at $8825.

+Albany, N. Y.—(Official)—Contracts have been awarded for the repair of highways in various counties as follows: Repair Contract No. 839, Road No. 463, Herkimer County: J. J. MALLOY, Schenectady, $18,797; Repair Contract No. 852, Road No. 359, Herkimer County: JOHN P. DUGAN & CO., Amsterdam, $10,360; Repair Contract No. 848, Road No. 71, Oneida County: HARRY W. ROBERTS & CO., Utica, $13,649; Repair Contract No. 841, Road No. 733, St. Lawrence County: ARTHUR F. McCONVILLE, Ogdensburg, $20,551; Repair Contract No. 844, Road No. 640, Schenectady County: J. J. MALLOY, Schenectady, $8706; Repair Contract No. 837, Road No. 795, 823, 824, Sullivan County: GEORGE MESLER Liberty, $4518: Repair Contract No. 843, Road No. 5223, Sullivan County: GEORGE MESLER, Liberty, $42,327; Repair Contract No. 848, Road No. 503, Westchester County: MALLOY & MURRAY CONTRACTING CO., Yonkers, $96,243; Repair Contract No. 847, Road No. 19, Westchester County: JAMES GAROFANO & SON, INC., Mt. Vernon, $11,359. List of bidders noted Sept. 2.

+Albany, N. Y.—(Official)—Contracts have been awarded for the construction of highways in various counties as follows: Road No. 5588, Greene County, 3.95 miles: JAMES M. HAMILTON & CO., Gardner, $98,639; Road No. 5579, Herkimer County, 6.55 miles: NEWPORT CONSTRUCTION CO., Herkimer, $63,077; Road No. 5584, Herkimer County, 4.21 miles: JOSEPH McCORMICK, East Providence, R. I., $46,423; Road No. 773, Niagara County, 2.38 miles: P. J. MUNN CONTRACTING CO., Buffalo, $23,342; Road No. 799, Niagara County, 4.21 miles: ARTHUR F. McCONVILLE, Ogdensburg, $53,156; Road No. 1315, Niagara County, 8 miles: JOSEPH BRUMVER, Buffalo, $97,340: Road No. 1153, Niagara County, 1.25 miles: GREENFIELD CONSTRUCTION CO., Hornell, $69,644; Road No. 5408, Oswego County, 0.36 mile: OSWEGO CONSTRUCTION CO., INC., Futlon, $16,490; Road No. 817, Saratoga County, 3.57 miles: WILLIAM G. FOX, Saratoga Springs, $38,-158; Road No. 1320, Schuyler County, 2.75 miles: PATRICK D. CONLEY, Ithaca, $25,380; Road No. 5575, Schuyler and Tompkins Counties, 4.12 miles: PATRICK D. CONLEY, Ithaca, $35,-160; Road No. 5577, Schoharie County, 7.96 miles: WEED & WALSH, Mechanicsville, $91,046; Road No. 5253-E. Steuben County, 5.52 miles: KENNEDY CONSTRUCTION CO., Albany, $38,796; Road No. 1076, Tioga County, 4.29 miles: DANA W. ROBBINS CO., INC., New York, $35,354; Road No. 1077, Tioga County, 4.72 miles: LANE CONSTRUCTION CORPORATION, Meriden, Conn., $36,148; Road No. 1109, Washington County, 2.06 miles: W. L. SHERRILL, Hudson Falls, $16,975; Road No. 5578, Washington County, 1.89 miles: WILLIAM G. FOX, Saratoga Springs, $29,582; Road No. 1306, Westchester County, 5.72 miles: PIERSON ENGINEERING & CONSTRUCTION CO., Hartford, Conn., $66,010; Road No. 1307, Westchester County, 1.89 miles: JAMES CLASIA, Mt. Vernon, $22,231: Road No. 1308, Westchester County, 2.15 miles: JAMES GAROFANO & SON ,Mt. Vernon, $24,738; Road No. 1309, Westchester County, 6.63 miles: HENRY CLINTON, Poughkeepsie, $67,954; Road No. 1323, Westchester County, 4.62 miles: FRANK G. FOWLER CONSTRUCTION CO., Mt. Kisco, $49,183: Road No. 1325, Westchester County, 2.81 miles: H. B. SPROUL CONSTRUCTION CO., INC., Peekskill, $28,858. List of bidders noted Sept. 2.

Medina, N. Y.—Press reports state that an appropriation of $22,500 has been made for paving West Central St. with asphalt block.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by L. H. Pounds, Pres., Borough Hall, until 11 a.m., Sept. 15, for the grading, paving, etc., of various streets in the borough.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Pres., Municipal Bldg., until 2 p.m., Sept. 15, for regulating, grading and paving various streets.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received by Marcus M. Marks, Borough Pres., for regulating, grading, curbing and laying sidewalks (a) Madison St. from Roosevelt St. to New Chambers St., (b) Broadway from 47th St. to Columbus Circle, 48th St. from Broadway to Eighth Ave., (c) 49th St. from Sixth to Seventh Ave. and from Eighth to Ninth Ave., (d) 59th St. from Madison Ave. to a point 238 ft. east of the east curb line, (e) 212th St. from Harlem River to the east side of 10th Ave., (f) Exterior St. from 76th to 77th St., (g) 104th St. from Central Park West to Manhattan Ave. The lowest bids submitted for the following were: (a) (f) W. J. Fitzgerald, 547 West 54th St., $3185 and $4384; (b) Asphalt Construction Co., 208 Broadway, $8171; (c) Aztec Asphalt Co., 90 West St., $7863; (d) (g) Sicilian Asphalt Co., 41 Park Row, $7510 and $3057; (e) Barber Asphalt Co., Woolworth Bldg., $8171. Noted Aug. 26.

+Phelps, N. Y.—The contract for paving Church St. with brick has been awarded to LAKE SHORE CONSTRUCTION & SUPPLY CO., at $6443.

+Quogue, N. Y.—The contract for the construction of the Quogue Rd. from Quogue to Riverhead has been awarded to the PECONIC CONSTRUCTION CO., Riverhead, at $11,000.

+Troy, N. Y.—Contracts have been awarded for grading and improving the alley between Fourth and Fifth Ave. and 13th and 14th St.; laying sidewalks, curbing and drains in 12th St. and Seventh and Eighth Ave. to SHEKAN & HEISLER, at $791 and $4942 respectively; grading Second St. and Fifth and Sixth Ave. and laying a short sewer in Sixth Ave. to D. KNOWER & CO., at $2491.

Yonkers, N. Y.—The O'Rourke Construction Co., 12 North Broadway, at $25,887, submitted the lowest bid for paving with macadam a portion of Park Ave., and Kearns & Hart, 280 Neperhan Ave., at $17,081, for Palisade Ave.

Bayonne, N. J.—The City Commissioners have passed an ordinance authorizing the improvement of eight streets.

Bridgeton, N. J.—The City Council plans to pave a number of streets of the city.

+Garfield, N. J.—A contract for the improvement of Gaston Ave., Morrell Pl. and Irving Pl. has been awarded to the DI NAPOLI & TORELLI CONSTRUCTION CO., Hackensack, at $10,718.

Irvington, N. J.—Bids were received by the Board of Chosen Freeholders, Newark, for improving Lyon Ave. as follows: Glenfield Construction Co., Newark, $58,061; Standard Bitulithic Co., $63,464; Newark Paving Co., $64,769; Van Keuren & Son, $68,811. Noted Aug. 12.

Newark, N. J.—The Board of Street and Water Commissioners plans to pave Chelsea Ave. with asphalt.

+Newark, N. J.—Bonds for $300,000 have been sold. The proceeds will be used for paving a number of streets.

New Brunswick, N. J.—Bids were received Aug. 23 by the Board of Chosen Freeholders of Middlesex County for constructing the South Amboy-Keyport Rd., from the South Amboy City line to the Monmouth County line, in two sections: (a) from South Amboy line to Morgan Station; (b) from Morgan Station to Monmouth County line as follows: (a) T. H. Riddle, New Brunswick, $37,949; Meagher & Smith, Perth Amboy, $39,704; Abraham Kelin, New Brunswick, $41,121; Newark Paving Co., Newark, $42,148; (b) A. Jelin, $40,886; T. F. Dunigan, $42,838; Franklin Construction Co., $43,651; Utility Construction Co., New Brunswick, $44,304. Alvin B. Fox, Perth Amboy, is County Engr. Noted Aug. 12.

Pittsburgh, Penn.—(Official)—Bids will be received by Hyatt M. Cribbs, County Controller, until 10 a.m., Sept. 23, for improving the Painters Run Rd.

+York, Penn.—A contract for paving with asphalt North Newberry, West Poplar and West Philadelphia St. has been warded to the GENERAL SUPPLY & CONSTRUCTION CO., York, at $21,275.

Wilmington, Del.—The contract for the construction of the Du Pont Blvd. between Selbyville and Frankford has been awarded to the McNERNEY CO., Canton, Penn., at $46,-817. Other bidders were: E. C. Evans, Philadelphia, Penn., $54,095; Utility Construction Co., New Brunswick, N. J., $48,-847; Juniata Construction Co., $46,987. Noted June 10.

Baltimore, Md.—The Board of Estimate plans to improve the Alamede Rd. between Harford Rd. and the Garrett property. The estimated cost is $22,900.

Eastville, Va.—Bids will be received until Sept. 27 by the Eastville District Road Board of Northampton County for the construction of 55 miles of sand clay roads. Noted June 3.

Hinton, W. Va.—At a recent election the citizens of Summers County, Talcott District, voted in favor of the question of issuing $100,000 in bonds, the proceeds of which will be used for constructing roads. Noted Aug. 12.

+Huntington, W. Va.—Contracts have been awarded for constructing eight miles of the Kanawha and James River Turnpike and one mile of the Harveytown and Wayne County Pike to the BRUBAKER CONSTRUCTION CO., Huntington; four miles of the Hamlin Pike and one mile of the Ohio River Rd. to GEORGE HINKLE. Noted July 15.

+Moundsville, W. Va.—A contract for paving Fifth St. between Jefferson and Grant Ave. has been awarded to R. J. McFADDEN. Noted July 22.

+Welch, W. Va.—A contract for the construction of 34 miles of roads has been awarded to S. G. WALKER & CO. Noted July 29.

Farmville, N. C.—An election will be held in Pitt County, Farmville Township, Sept. 21, to vote on the question of issuing $50,000 in bonds. The proceeds will be used for improving various roads.

Hickory, N. C.—According to press reports the city will construct 3000 yd. of concrete sidewalks.

Mt. Airy, N. C.—At a recent election the citizens voted in favor of the question of issuing $30,000 in bonds. The proceeds will be used for the construction of graded sand clay roads in Westfield and Shoal Townships.

Pittsboro, N. C.—Bonds for $20,000 have been sold. The proceeds will be used for improving the roads in Haw River Township. Noted Apr. 8.

Raleigh, N. C.—The city plans an expenditure of $10,000 for the construction of sidewalks.

+Clearwater, Fla.—The Commissioners of Pinellas County have awarded the contract for the construction of 73.34 miles of brick roads to the EDWARDS CONSTRUCTION CO., Tampa.

De Land, Fla.—According to press reports an election will soon be held in New Smyrna District to vote on the question of issuing $250,000 in bonds. The proceeds will be used for constructing roads.

Miami, Fla.—Press reports state that the City Council has authorized paving with asphalt various streets and avenues of the city.

Pensacola, Fla.—Bids will soon be received for paving with wood block three streets around the Pensacola Hospital. L. E. Thornton is City Engr.

Birmingham, Ala.—The Board of Commissioners plans to pave Clairmont and 10th Ave., 39th, 40th, 41st and 42d St. The estimated cost is $50,000. J. Kendrick is City Engr.

Monroe, La.—According to press reports the city plans to gravel several streets.

+Port Allen, La.—A contract for the construction of 27 miles of road has been awarded to S. A. GANO, Jackson, Miss., at $37,735.

Winnfield, La.—Bonds for $50,000 have been voted. The proceeds will be used for constructing roads in Winn Parish.

Bluff City, Tenn.—Bids will be received until Sept. 29 by W. D. Lyons, Chn., County Road Comrs., for grading, draining and macadamizing pike roads.

Bristol, Tenn.—The Commissioners of Sullivan County plan to improve three miles of the Bristol-Kingsport-Knoxville Pike between Eden Ridge and Kingsport. Bonds for $100,000 were recently voted for highway improvements. Noted June 3.

Dayton, Tenn.—The Commissioners of Rhea County plan an expenditure of $500,000 for the construction of highways. Part of this amount will be used for constructing about 32 miles of the Dixie Highway. J. H. Hoskins is Ch. Engr., County Highway Comrs.

Sweetwater, Tenn.—An election will be held Sept. 30 to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for improving a number of streets.

Albany, Ky.—The citizens have voted in favor of issuing $50,000 in bonds, the proceeds of which will be used for the construction of the Dixie Highway through Clinton County.

Jamestown, Ky.—At an election held Aug. 21 the citizens voted in favor of the question of issuing $100,000 in bonds. The proceeds will be used for constructing roads.

✚Madisonville, Ky.—A contract for the construction of one mile of macadam road has been awarded to N. E STONE, Madisonville, at $5413

✚Vanceburg, Ky.—A contract has been awarded to W. T. COOPER & CO., at $25,121, for grading and shaping the river road.

Bexley, Ohio—Bonds for $124,000 have been sold. The proceeds will be used for improving a number of streets. Noted July 22.

Bowling Green, Ohio—Bonds for $26,000 have been sold. The proceeds will be used for improving the roads in Wood County.

Dayton, Ohio—Bids will be received until noon, Sept. 21, by Walter H. Aszling, Clk., Bd. of County Comrs., for the purchase of $30,000 in bonds, the proceeds of which will be used for improving a number of highways.

Fostoria, Ohio—Bonds for $13,290 have been sold. The proceeds will be used for improving a number of streets of the city.

✚Lima, Ohio—A contract for paving State St. between Cole St. and Woodlawn Ave. has been awarded to HENRY S. ENCK, at $8614.

✚Marion, Ohio—Contracts have been awarded for paving the Marion-Bucyrus Pike to P. DRAKE & SONS at $20,227; resurfacing the main road from Prospect to the Delaware County line to S. M. WOOLEY, at $2828.

✚Miamsburg, Ohio—The contract for paving North Main St. with Carlisle brick block has been awarded to BIGLER BROS., Middletown, at $19,599.

✚Middeltown, Ohio—Contracts have been awarded for paving First St. with asphalt to the ANDREWS ASPHALT CO., Hamilton, at $15.869; constructing concrete pavement on Woodlawn Ave. to STRODTBECK BROS., Middletown, at $21,860.

New Washington, Ohio—Bonds for $11,000 have been sold. The proceeds will be used for improving a number of streets.

✚Rawson, Ohio—C. B. HALL & SON, at $9000, has been awarded the contract for paving Main St.

✚Toledo, Ohio—Contracts have been awarded for paving seven miles of the Mominee Road in Jerusalem and Oregon Township to GARRIGAN BROS., at $67.988; Marengo St., Adams Township and Lake St., Washington Township, to DOAN & LANGENDERFER, at $3302 and $2375 respectively. Noted Aug. 19 and 26.

Uhrichsville, Ohio—Bonds for $12,000 have been sold. The proceeds will be used for paving one mile of the Newport Rd., beginning at the Uhrichsville corporation line.

Westerville, Ohio—Bids will be received until Sept. 23 by R. D. Bennett, Village Clk., for the purchase of $23,000 in bonds. The proceeds will be used for improving Winter St. from State to Vine St., Vine St. from Broadway to the County line and West Home St. from State to West St. Noted July 8.

✚Zanesville, Ohio—The contract for improving Adamsonville Rd. with nonbituminous slag macadam has been awarded to AYERS & KAPPES, Zanesville, at $127,099. Noted Sept. 2.

Anderson, Ind.—Bids will be received by the Commissioners of Madison County until 10 a.m., Sept. 15, for the construction of a concrete road in Anderson Township. J. B. Benefiel is Audr.

Danville, Ind.—Bids will be received by G. Macomber, Treas. Hendricks County, until Sept. 15 for the purchase of $21,600 and $13,600 in bonds. The proceeds will be used for improving various highways.

Delphi, Ind.—At a recent election the citizens voted in favor of the question of issuing $50,000 in bonds. The proceeds will be used for improving a number of roads in Carroll County.

Frankfort, Ind.—Bonds for $31,280 have been sold The proceeds will be used for improving a number of roads.

✚Goshen, Ind.—AMANDUS M. SMITH, Elkhart, at $57,775, has been awarded the contract for paving the Elkhart-Goshen Rd. with concrete in Concord Township.

Lafayette, Ind.—The City Council has passed an ordinance authorizing the Board of Public Works to improve 16th St. between Salem and Union St. and to construct cement sidewalks on both sides of Erie St. between Ferry and North St.

Noblesville, Ind.—Bids will be received until 10 a.m., Sept. 11, by the Commissioners of Hamilton County for the construction of a road in Noblesville Township. W. O. Horton is Audr.

✚South Bend, Ind.—A contract for paving Franklin St. with brick has been awarded to C. H. DeFREES, South Bend, at $13,518.

South Bend, Ind.—Bids will be received until Sept. 14 by Fred W. Martin, Treas. St. Joseph County, for the sale of $56.000 in bonds. The proceeds will be used for improving various highways.

✚Amboy, Ill.—A contract for paving Plant St. has been awarded to HENRY ZOLPHER & SONS, Mendota, at $9387.

✚Bloomington, Ill.—The Board of Local Improvements has awarded the contract for paving Beecher St. and Franklin Ave. to I. D. LAIN, Bloomington, at $15,715.

Bloomington, Ill.—Bids will soon be received for paving Beecher St. between East and Park St. and Franklin Ave. between Beecher and Division St.

Decatur, Ill.—Bids will be received about Sept. 16 for constructing a combined curb and gutter and for 17,000 sq.yd. of brick pavement on a 5-in. concrete foundation.

Edwardsville, Ill.—Plans are being considered by the city for paving with brick, on a 6-in. concrete and combination curb, Randle, Center and Buchanan St. G. Schaffer, Bohn Bldg., is Engr.

Herrin, Ill.—Bonds for $75,000 have been voted. The proceeds will be used for the construction of hard roads in Herrin Township.

Jacksonville, Ill.—The Board of Local Improvements contemplates reparing West State St.

Mattoon, Ill.—(Official)—The City Council has decided to postpone the paving of South 18th St. until next year. John A. Goetz is City Engr. Noted Aug. 26.

Maywood, Ill.—Bonds for $26,000 have been sold. The proceeds will be used for street improvements

Springfield, Ill.—The Board of Local Improvements of Pleasure Driveway and Park District plan to pave Grand Blvd. with asphalt. Estimated cost, $12,000.

✚Grand Rapids, Wis.—(Official)—The Board of Public Works has awarded the contract for paving Grand Ave. to GEORGE R. KERCHIE, Madison, Wis., at about $7000. E. L. Brown is City Clk. Noted Aug. 19.

✚Neodesha, Wis.—The contract for paving Wisconsin, Osage, Iowa, Ninth and Church St. has been awarded to the VAN HAFFTEN CONSTRUCTION CO., Joplin, Mo., at $19,383.

Ames, Iowa—The City Council has voted to pave various streets and avenues of the city.

✚Duluth, Minn.—A contract for paving Colorado St. has been awarded to J. JOHNSON, at $9750.

✚Shakopee, Minn.—(Official)—The contract for improving State Rd. No. 13 has been awarded to J. J. MERGEUS, Excelsior, at $11,400. A. J. Mayer is County Audr. Noted Aug. 12.

Cherryvale, Kan.—The city contemplates paving Liberty St. with vertical fiber block on rolled cinder foundation.

Independence, Kan.—Bids will soon be received for improving a number of streets of the city. The work will include 4655 cq.yd. of vitrified brick pavement on a 6-in. macadam base, 2900 ft. of cement curb and gutter and 1700 sq.yd. of grading. George E. Weaver is City Engr.

Pittsburg, Kan.—Bids will soon be received for paving with brick, concrete or national pavement 12 blocks on Walnut and College Ave. L. E. Curfman is City Engr.

Wichita, Kan.—According to press reports bids will be asked in about 60 days for the construction of eight miles of 20-ft. sand clay road with a 16-ft. crown of hard dirt in Sedgwick County. Edgar V. Moore is County Engr.

✚Butte, Mont.—A contract for paving 6000 sq.yd. of Main St. has been awarded to J. R. SILVER, Butte, at $3.25 per sq.yd. Noted July 15.

✚Missoula, Mont.—(Official)—A contract for improving Pine St. has been awarded to J. C. MAGUIRE, State Bank Bldg., Butte, at $13,400. Noted Aug. 19.

Missoula, Mont.—The City Council plans to pave East Front St. in Special District No. 37. L. E. Harris is City Clk.

✚Joplin, Mo.—The contract for paving East Eighth St. from Main St. to the St. Louis & San Francisco R.R. with concrete has been awarded to V E. KOCH, Joplin, at $8206.

Kansas City, Mo.—According to press reports the Board of Public Works will pave McGee St. from 15th to 20th St. with creosoted wood blocks.

Mansfield, Mo.—At a recent election the citizens voted in favor of the question of issuing $15,000 in bonds. The proceeds will be used for constructing roads.

Seymour, Mo.—At a recent election the citizens voted in favor of the question of issuing $30,000 in bonds, the proceeds of which will be used for the construction of roads.

Paragould, Ark.—A petition has been presented to the City Council to form a new paving district to include about 10,000 sq.yd. of paving.

Angleton, Tex.—A bond issue of $103,000 for the construction of roads in Road District No. 3 has been authorized by the Commissioners Court.

Beaumont, Tex.—Bids will be received until 10 a.m., Oct. 5, by J. G. Sutton, City Secy, for the sale of $85,000 in bonds. The proceeds will be used for improving various streets. Noted Apr. 22 and June 10.

Brazoria, Tex.—At a recent election the citizens voted in favor of issuing $150,000 in bonds. The proceeds will be used for constructing roads in Brazoria Road District.

Bryan, Tex.—Bonds for $400,000 have been sold. The proceeds will be used for constructing roads.

Cleveland, Tex.—Bonds for $200,000 have been voted. The proceeds will be used for constructing roads in Cleveland Road District.

Dallas, Tex.—The Board of City Commissioners has authorized the paving of Victor St. from Renderson to Lowell St. J. M. Preston is City Engr.

Liberty, Tex.—A bond issue of $25,000 has been approved by the Attorney General. The proceeds will be used for constructing roads in Road District No. 1.

Taylor, Tex.—The city plans to pave a number of streets at an estimated cost of $300,000. W. E. Dozier is City Engr.

Cœur d'Alene, Idaho—E. M. Booth, State Engr., and the County Commissioners contemplate the construction of a permanent highway from the city to the Shoshone County line. The estimated cost is $24,000.

Cottonwood, Idaho—The Board of City Trustees plans to pave the main business streets of the city Estimated cost between $12,000 and $18,000.

Soda Springs, Idaho—The City Council has passed an ordinance authorizing the construction of concrete sidewalks in Improvement District No. 21. Estimated cost, $50,000. Paul Tipton is City Clk.

✚**Park City, Utah**—The City Council has awarded the contract for paving in District No. 5 to JOHN NYMAN.

Globe, Ariz.—At a recent election the citizens voted in favor of the question of issuing $50,000 in bonds. The proceeds will be used for the construction of roads in Gila County.

✚**Olympia, Wash.**—A contract for improving 14 miles of McClellan Pass Highway between Natches and Summit in Yakima County has been awarded to REJOTTE, FOBERT & WINTERS, Spokane, at $27,536. Noted July 29.

Pasco, Wash.—Plans are being prepared by the J. W. Hamilton Co., Engr., for macadamizing about 10 miles of county highway.

Seattle, Wash.—The Puget Sound Bridge & Dredging Co., Central Bldg., at $92,250, submitted the lowest bid for improving Alki Ave.

Seattle, Wash.—Plans are being considered by the City Council for paving with asphalt a portion of Bailey, Vale, 42d and 43d St. and 12th Ave.

✚**Tacoma, Wash.**—The contract for improving Permanent Highway No. 5-A has been awarded to the WASHINGTON PAVING CO., Savage-Scofield Bldg., Tacoma, at $76,549. Noted Aug. 5.

Walla Walla, Wash.—The City Council has voted to pave and construct concrete sidewalks on Fourth St. at an estimated cost of $16,000.

Oregon City, Ore.—The City Council plans to pave portions of various streets with asphaltic concrete.

Salem, Ore.—According to press reports the city plans to pave the fair ground road with asphaltic concrete at an estimated cost of $10,000.

Anaheim, Calif.—Bids will be asked in about 90 days for paving with asphalt on a concrete base and foundation Broadway, East Broadway and West Broadway. Estimated cost, $92,400. W. E. Stewart is City Engr.

Eureka, Calif.—Press reports state that a highway will be constructed through Humboldt County by state aid. Estimated cost, $300,000.

✚**Livermore, Calif.**—Press reports state that the contract for paving East First St. has been awarded to the CALIFORNIA BITULITHIC CO., at $14,225.

Los Angeles, Calif.—The Brashear-Burns Co., at $12,949, submitted the lowest bid for improving Jefferson Ave. between Montana Ave. and Montecito Ave.

✚**Stockton, Calif.**—The City Council has awarded the contract for the improvement of East St. between Poplar and North St. to the FEDERAL CONSTRUCTION CO., at $9348.

Stockton, Calif.—The City Council plans to improve Market St. between Fair Oaks Ave. and Filbert St., at an estimated cost of $300,000.

Venturi, Calif.—At a recent election the citizens voted in favor of the question of issuing $1,000,000 in bonds. The proceeds will be used for constructing roads

✚**Ottawa, Ont.**—The contract for paving Preston St. with asphalt has been awarded to the OTTAWA CONSTRUCTION CO., Central Chambers, Ottawa, at $103,000.

INDUSTRIAL WORKS

Holyoke, Mass.—The Holyoke Supply Co. plans the construction of a three-story, 100x120-ft. building at Appleton and Race St., to cost $50,000.

New Bedford, Mass.—J. C. Rhodes & Co. will build a three-story addition to its factory at 123 Front St.

Spencer, Mass.—The Spencer Wire Co. will build a four-story, 48x110-ft. brick mill. H. W. Goddard is Pres.

✚**Springfield, Mass.**—The CASPER RANGER CONSTRUCTION CO. has been awarded the contract for the construction of a one-story, 170x300-ft. addition to the Bosch Magneto Co., to cost $75,000.

✚**Springdale, Mass.**—J. W. BISHOP & CO., Worcester, Mass., has been awarded the contract for the construction of a brick dyehouse for the Springdale Finishing Co. The estimated cost is $50,000.

✚**Springfield, Mass.**—FRED T. LEY & CO. has been awarded the contract for the construction of a brick and steel warehouse on Atlantic Ave. for the Loose-Wiles Biscuit Co. The estimated cost is $10,000.

Wollaston, Mass.—The Tubular Rivet Co., Linden St., plans the construction of a 50x178-ft., brick addition to its plant, to cost $12,000.

✚**Worcester, Mass.**—The EDWARD F. MINER CO., 25 Foster St., has been awarded the contract for the construction of a two-story, 80x100-ft., brick warehouse for the Pratt & Inman Co.

Bridgeport, Conn.—The Royal Equipment Co., Bostwick Ave., will add a third story to its 60x200-ft., brick factory.

✚**Bristol, Conn.**—The Bristol Mfg. Co. has awarded the contract for the construction of a six-story, 53x143-ft., brick factory to the TORRINGTON BUILDING CO., Torrington, Conn.

Bristol, Conn.—The Bristol Brass Co., Bristol, Conn., will build a one-story, 125x300-ft. addition to its plant, to cost $30,000.

Chicopee Falls, Mass.—The Lamb Knitting Machinery Co. will build a brick and reinforced-concrete addition to its plant on Bridge St. The estimated cost is $10,000.

Derby, Conn.—The Union Fabric Co. plans the construction of a three-story addition to its plant on Housatonic Ave.

Stamford, Conn.—Plans have been prepared by the Harris Construction Co., Arch., for the construction of a two-story, 100x100-ft., tile and concrete garage on Summer St. for the Mechaley Auto Co.

✚**Woonsocket, R. I.**—The J. W. BISHOP CO., Worcester, Mass., has been awarded the contract for the construction of a two-story, 90x130-ft., brick addition to the plant of the Blackstone Mfg. Co.

New York, N. Y.—(Borough of Brooklyn)—The Consumers Biscuit & Mfg. Co., 517 W. 19th St. (Borough of Manhattan), will build a three-story, 100x110-ft., brick factory at 45-53 Clinton Ave., to cost $100,000.

Rochester, N. Y.—The Vacuum Oil Co. will build an 80x96-ft. warehouse on Exchange St., to cost $18,000.

✚**Camden, N. J.**—The contract for the construction of a one-story, 42x163-ft. factory at Ninth and Bailey St., for the Wood Mfg. Co., has been awarded to FRANK TURNER. Peuckert & Wunder, 310 Chestnut St., Philadelphia, Penn., is Arch. Estimated cost, $30,000.

Cape May, N. J.—The Bethlehem Steel Co. plans the construction of a munitions factory to cost $30,000.

✚**Allentown, Penn.**—(Official)—C. P. Clauser, Secy., Allentown Dairy Co., has awarded the contract for the construction of a pasteurizing plant to SHAFFER & LANDENSLAGER, 112 North 5th St. Noted Aug. 26.

✚**Beaver Falls, Penn.**—JOHN M. HUGHES has been awarded the contract for the construction of a plant for the O. O. & E. P. Townsend Mfg. Co., Fallston, Penn., to replace the one destroyed by fire at a loss of $100,000.

✚**Philadelphia, Penn.**—The contract for the construction of a 110x180-ft. factory at Belfield and Stenton Ave. for the National Umbrella Frame Co., has been awarded to the WILLIAM STEELE & SONS CO., 1600 Arch St.

✚**Philadelphia, Penn.**—The contract for the construction of a cooper shop and pump-house at Delaware Ave. and Mifflin St., for the Berg Distilling Co., has been awarded to the JOSEPH LEVIN CO.

Pittsburgh, Penn.—The Packard Motor Co. will build a three-story, brick and stone building at Baum Blvd. and Enfield St., to cost $300,000.

Pittsburgh, Penn.—The Painter-Dunn Co. will build a three-story, 125x180-ft. garage and auto sales building on Center Ave.

✚**Reading, Penn.**—L. H. FOCHT & SON has been awarded the contract for the construction of a three-story, 135x137-ft., brick mill at Ninth and Cotton St. for Joseph Bancroft & Sons. The estimated cost is $30,000.

Baltimore, Md.—The contract will soon be awarded for the construction of a one-story, 100x105-ft., brick warehouse on North Ave. for Linwood Clark.

✚**Baltimore, Md.**—The Baltimore Drydocks & Shipbuilding Co. has awarded the contract for the construction of a shop to the CHESAPEAKE IRON WORKS. The estimated cost is $100,000.

✚**Hagerstown, Md.**—Peuchert & Wunder, Arch., 310 Chestnut St., Philadelphia, Penn., has awarded the contract to the CONSOLIDATED ENGINEERING CO., Baltimore, Md., for the construction of a two-story, 100x190-ft., brick and reinforced-concrete factory for the Pangborn Corporation. The estimated cost is $60,000. Noted July 1, 8 and 22.

✚**Portsmouth, Va.**—The Seaboard Air Line Ry. has awarded the contract to the CHRISTIAN CONSTRUCTION CO., Durham, N. C., for the rebuilding of its shops which were destroyed by fire. The estimated cost is $200,000.

✚**Gastonia, N. C.**—J. A. JONES, Charlotte, N. C., has been awarded the contract for the construction of a two-story, 60x200-ft., brick addition to the Arlington Mills. The estimated cost is $20,000.

✚**Winston-Salem, N. C.**—The P. H. Hanes Knitting Co. has awarded the contract for the construction of a two-story, 127x300-ft., brick and steel mill to the TRAVERS-WOOD CO.

Newman, Ga.—The Newman Cotton Mills will build a three-story, 60x60-ft., brick mill to cost about $10,000. J. E. Sirrine, Greenville, S. C., is Engr.

✚**Maysville, Ky.**—The Maysville Cotton Mills has awarded the contract to HARDING & SIMONS for the construction of a three-story, 70x116-ft. warehouse. J. E. Sirrine, Greenville, S. C., is Arch. Noted Aug. 12.

Akron, Ohio—Plans have been prepared by the Osborn Engineering Co., 740 Engineers Bldg., for the construction of a three-story factory for the Western Tire & Rubber Co., to contain 940,000 sq.ft. of floor space. M. O. Neil is Pres.

Cleveland, Ohio—The Independent Towel Supply Co., 1822 Central Ave., will build a two-story addition to its factory. The estimated cost is $25,000. E. F. Gibbons, 510 Erie Bldg., is Arch.

Cleveland, Ohio—Plans have been prepared by W. J. Carter, Arch., 1423 Illuminating Bldg., for the construction of a six-story warehouse at Rockwell and East Sixth St., for the W. M. Pattison Supply Co., St. Clair St. Estimated cost, $125,000.

✚**Dayton, Ohio**—The Platt Iron Works, Keowee St., has awarded the contract for the construction of a 125x300-ft. addition to its plant to the CONCRETE STEEL CONSTRUCTION CO. The estimated cost is $35,000.

Indianapolis, Ind.—The Pathfinder Co. plans the construction of a 60x400-ft. addition to its plant.

✚**Kalamazoo, Mich.**—The Rex Paper Mills Co. has awarded the contract for the construction of four buildings to the HAUSER-OWEN-AMES CO., Grand Rapids, Mich. The estimated cost is $68,000.

Chicago, Ill.—Edgar G. Frady, Pres., Cole Motor Co. of Illinois, plans the construction of a four-story, 50x160-ft. building at 2326-28 Indiana Ave., to cost about $70,000.

Chicago, Ill.—The Republic Box Co. will build a three-story factory at 913 North Halsted St. Holabird & Roche, 104 South Michigan Ave., is Arch.

Chicago, Ill.—The Empire Fireproof Storage & Van Co., 72nd Pl., will build a seven-story storage warehouse on Stony Island Ave., to cost $100,000.

✚West Duluth, Minn.—(Duluth post office)—The contract for the construction of an $18,000 addition to the factory of the Western Rug Co. has been awarded to EMIL J. ZAUFT. A. W. Puck is Arch.

Wichita, Kan.—The Standard Oil Co. has purchased a site and will build a plant at an estimated cost of $100,000.

Lincoln, Neb.—The Plattner-Yale Mfg. Co. will build a plant at 22nd and X St., to cost $50,000.

✚Chillicothe, Mo.—The contract for the construction of a three-story garage on South Locust St. for the Chillicothe Automobile & Supply Co. has been awarded to S. E. SHULTZ, at $38,785. Other bidders were: C. B. Crosby, $39,317; Dumas Construction Co., $41,200; G. W. Miller, $40,295; Ray & Son, $45,600.

Pine Bluff, Ark.—It is reported that plans are being prepared for the construction of a $50,000 mill for the Marco Milling Co. Elmo Marsh is Pres.

El Paso, Tex.—Swift & Co., Chicago, Ill., will rebuild its plant which was recently destroyed by fire. J. S. Thompson is Local Representative. The estimated cost is $30,000.

West Tulsa, Okla.—The Tulsa Boiler Co. will build a factory at an estimated cost of $60,000.

Portland, Ore.—W. B. Glafke plans the construction of a cold-storage plant and warehouse at East Third and East Alder St., to cost about $50,000. Camp & Du Puy is Arch.

✚Portland, Ore.—The contract has been awarded to Q. L. KILGREEN for the construction of a warehouse for Mrs. Fannie E. Brown, at $25,000. Sutton & Whitney is Arch. Noted Aug. 26.

✚The Dalles, Ore.—The Oregon-Washington R.R. & Navigation Co. has awarded the contract for the construction of a roundhouse, machine shop and power plant to NETTLETON, BRUCE & ESCHBACH, Seattle, Wash. The estimated cost is $50,000.

✚Ford City, Ont.—WELLS & GREY has been awarded the contract for the construction of a $60,000 addition to the plant of the Ford Motor Co., Detroit, Mich.

FEDERAL GOVERNMENT WORK

✚Post Office—Gardiner, Maine—The contract for the construction of a post office at Gardiner has been awarded to W. H. FISSELL & CO., New York, N. Y., at $55,000. Noted Aug. 19.

Buildings—Portland, Maine—Bids were received Sept. 2 by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of buildings at the Quarantine Station, Portland, (a) barracks, (b) storehouse, as follows: King Lumber Co., Charlottesville, Va., (a) $72,385, (b) $2500; Forgione & Romano, Portland, (a) $63,322, (b) $2950; J. Kresse Co., New York, N. Y. (a) $65,000, (b) $2400; F. W. Cunningham Co., Portland, (a) $62,712, (b) $3615; Mahoney Construction Co., Portland, (a) $66,533, (b) $3315. Noted Aug. 12.

✚✚Dredging — Portland, Maine — The contract has been awarded to the EASTERN DREDGE CO., East Boston, Mass., at $37,250, for dredging in the St. Crois River. Bids were opened Aug. 16. Noted Aug. 26.

Hot-Water System—Newport, R. I.—Bids were received Aug. 28 by the Bureau of Yards and Docks, Washington, D. C., for installing a hot water-piping system at the Naval Hospital as follows: John F. Dalton, 1745 Amsterdam Ave., New York, N. Y., $3877; Ridout, Chandler & Joyce, Boston, Mass., $4324; Ray B. Wilson, Jr., 14 W. Broadway, Newport, $4970, and Detroit Plumbing Co., Washington, D. C., $6500. Noted Aug. 12.

Post Office—Naugatuck, Conn.—Bids will be received until 2 p..m, Oct. 13, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing a post office at Naugatuck.

★Repairing Breakwater—Buffalo, N. Y.—Bids were received Sept. 1 for repairing the breakwater at Buffalo as follows: Great Lakes Dredge & Dock Co., Buffalo, $22,870; H. S. Kerbaugh, Inc., Buffalo, $14,605; Lake Shore Contracting Co., Cleveland, Ohio, $22,280 and the Coast & Lakes Contracting Corporation, New York, $14,055. Noted Aug. 19.

Miscellaneous Supplies—New York, N. Y.—Bids will be received until 2 p.m., Sept. 16, by the Lighthouse Inspector, Tompkinsville, for furnishing miscellaneous supplies for the fiscal year 1916.

Dredging—Philadelphia, Penn.—All bids received Aug. 9 for dredging in the Delaware River on Bellevue and Cherry Island light-house ranges have been rejected on account of being excessive. Noted July 15.

★Air Compressors—Pittsburgh, Penn.—Bids were received Aug. 21 by Lieut.-Col. Francis R. Shunk, Pittsburgh, for installing air compressors, engines and turbines as follows: Foos Gas Engine Co., Springfield, Ohio, Lot 2, $3575; Bruce-Macbeth Engine Co., Cleveland, Ohio, Lot 2, $3705; Turner Fricke Mfg. Co., Pittsburgh, Lot 2, $3850; Combination Engine & Compressor Co., Bradford, Lot 1, $6000; Hope Engineering & Supply Co., Mt. Vernon, Ohio, Lot 2, $3100; Hall Steam Pump Co., Pittsburgh, Lot 1, $4444. Noted July 29.

★Houses—Pittsburgh, Penn.—Bids were received Aug. 25 by Lieut.-Col. Francis R. Shunk, Pittsburgh, for constructing two brick lockkeepers' houses at Dam No. 10, Ohio River as follows: Guy Johnston Contracting Co., Toronto, Ohio, $11,400; Earl N. Everson, Brilliant, Ohio, $22,200; McFeely Bros., Steubenville, Ohio, $12,900; Schutz, Schreiner & Clyde Co., Pittsburgh, $13,250. Noted July 29.

★Lock Gates—Pittsburgh, Penn.—Bids were received for furnishing steel lock gates, valves and operating machinery at Lock No. 6, Monongahela River, as follows: Simonds Mfg. Co., Pittsburgh, $11,723; Ellicott Machine Corporation, Baltimore, Md., $9488; Union Foundry & Machine Co., Pittsburgh, $23,931; Thomas Carlin's Sons Co., Pittsburgh, $7600; Whitehead & Kales Iron Works Detroit, Mich., $29,984; Rosedale Foundry & Machine Co., Pittsburgh, $11,095; Penn Bridge Co., Beaver Falls, $23,790; Independent Bridge Co., Pittsburgh, $14,500; H. P. Gazzam Machine Co., Pittsburgh, $9995 and J. & J. B. Milholland Co., Pittsburgh, $7995. Noted July 29.

Building—Baltimore, Md.—Bids were received as follows Aug. 31, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction, mechanical equipment and elevators at the U. S. Immigration Station, Baltimore, Md., (a) construction, exclusive of wharf, (b) construction, exclusive of wharf and administration building, (c) wharf: Construction: Irwin & Leighton, Philadelphia, Penn., (a) $294,800, (b) $266,500, (c) $11,500; William Dall Co., Cleveland, Ohio, (a) $267,688, (b) $241,516, (c) $10,500; Consolidated Engineering Co., Baltimore, (a) $298,700, (b) $271,500, (c) $11,000; Norcross Bros. Co., Worcester, Mass., (a) $305,000, (b) $275,000, (c) $6000; George E. Wyne, Washington, D. C., (a) $333,000, (b) $301,000, (c) $10,100; David M. Andrew Co., Baltimore, (a) $292,300, (b) $264,300, (c) $11,500; Singer Pentz Co., Baltimore, (a) $286,113, (b) $260,807; Morrow Bros., Baltimore, (a) $284,100, (b) $256,000, (c) $10,370; A. L. Guidone & Sons, New York, N. Y., (a) $277,000, (b) $265,450, (c) $10,350; J. Henry Miller & Co., Baltimore, (a) $219,700, (b) $291,100; (c) $12,000; Henry Smith & Sons Co., Baltimore, (a) $307,000, (b) $278,000, (c($11,000; Henry S. Ripple, Baltimore, (a) $309,800, (b) $281,000, (c) $9500; McLean Contracting Co., Baltimore, (c) $14,125; M. Yeager & Sons, Danville, Ill., (a) $279,893, (b) $256,893, (c) $11,500. Mechanical Equipment: Walter E. Hill & Co., Baltimore, $97,380; W. G. Cornell Co., Washington, D. C., $87,884; Enterprise Steam & Hot Water Heating Co., Baltimore, $95,376; Crook-Kries & Co., Baltimore, $92,200; Louis F. Andrae & Co., Baltimore, $95,600; Hanley-Casey Mechanical Equipment Co., Chicago, Ill., $98,000; Fitzpatrick & Hoepfner, Columbus, Ohio, $98,800; S. Faith & Co., Philadelphia, Penn., $98,700; Riggs, Distler & Stringer, Baltimore, $91,175; Almirall & Co., New York, N. Y., $109,677. Elevator equipment: Otis Elevator Co., Washington, D. C., $12,721; Standard Plunger Elevator Co., Worcester, Mass., $10,950; Robert Wetherill & Co., Chester, Penn., $18,580. Noted Aug. 12.

Post Office—Wilkesboro, N. C.—Bids will be received until 3 p.m., Oct. 14, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing the U. S. post office at Wilkesboro.

★Post Office—Palatka, Fla.—Bids were received Aug. 27 by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of a post office at Palatka, Fla., (a) limestone; (b) sandstone, as follows: A. Bassford, Tampa, (a) $48,321; (b) $49,321; Rogers & Kaiser, Chicago, Ill., (a) $42,582, (b) $45,038; Algernon Blair, Montgomery, Ala., (a) $41,428; Westchester Engineering Co., White Plains, N. Y., (a) $39,652, (b) $42,500; Potters' Lumber Co., East Liverpool, Ohio, (a) $43,200; Miles & Bradt, Atlanta, Ga., (a) $44,900; J. L. Crouse, Greensboro, N. C., (a) $40,935, (b) $41,660; Dieter & Wenzel Construction Co., Wichita, Ken., (a) $47,523; George Becking, Chattanooga, Tenn., (a) $41,000; Frank M. Weakley, Portsmouth, Va., (a) $52,942; H. H. Brown, Dothan, Ala., (a) $45,200, (b) $45,800; W. H. Fissell & Co., New York, N. Y., (a) $42,300, (b) $44,800; J. S. Rogers Co., Moorestown, N. J., (a) $44,999, (b) $46,299; Dabbs & Wetmore, Meridian, Miss., (a) $40,589, (b) $41,337; Newport Contracting & Engineering Co., Newport News, Va., (a) $44,301. Noted July 22.

Post Office—Logan, Ohio—Bids will be received until 3 p.m,. Oct. 14, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing a one-story and basement brick, terra cotta and stone-faced post office at Logan.

✚Post Office—Ft. Atkinson, Wis.—The contract for the construction of a post office at Ft. Atkinson has been awarded to CLARKE CONSTRUCTION CO., Danville, Ill., at $40,100. Noted Aug. 12.

Wood Stave Pipe—Newell, S. D.—Bids will be received until 4 p. .m., Sept. 16, by the U. S. Reclamation Service, Newell, for constructing about 3285 ft. of 60-in. and 450 ft. of 24-in. wood stave pipe.

Floors—St. Louis, Mo.—Bids were received Sept. 1 by the Acting Supervising Architect, Washington, D. C., for floor work in the U. S. Customhouse as follows: Kansas City Marble & Tile Co., Kansas City, $10,800; American & Venetian Marble Co., Kansas City, $7800; N. O. Nelson Mfg. Co., St. Louis, $12,888. Noted Aug. 12.

✚Post Office—Corpus Christi, Tex.—The contract for the construction of a post office at Corpus Christi has been awarded to BARNES BROS., Logansport, Ind., at $115,000. Noted May 20.

✚✚Miscellaneous Work—Denver, Colo.—The contract has been awarded to the NORMAN KER CO., 1123 Broadway, New York, N. Y., at $9305, for furnishing flag poles, and miscellaneous bronze and iron work at the Denver post office. Noted Sept. 2.

✚Reclamation—Yakima, Wash. — The contract has been awarded to DUNN & HOGAN, North Yakima, Wash., for furnishing sand and gravel along the canals of the Outlook Irrigation District, Sunnyside Unit, Yakima Irrigation project, Wash., at $5601.

✚Wharf—San Francisco, Calif.—The contract has been awarded to HYDE, HARJES & CO., San Francisco, at $9341, for constructing a wharf at the Naval Training Station, San Francisco. Noted Aug. 26.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Sept. 22, by Maj. F. C. Boggs, Gen. Pur. Agt. Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

✚Building—Pearl Harbor, H. T.—The contract has been awarded to BOWLER & INGVERSON, Honolulu, at $19,890, for constructing officers' quarters at the Naval Station. Noted Aug. 26.

MISCELLANEOUS

Shore Protection—Boston, Mass.—The lowest bid submitted to the Park Commission for the construction of concrete shore protection in Revere was from Coleman Bros., Chelsea at $19,853. Noted Aug. 26.

Barge Canal Work—Albany, N. Y.—(Official)—Bids will be received by W. W. Wotherspoon, State Supt. of Pub. Wks., until Sept. 28 for the following under: Terminal Contract No. 47 for increasing the height of dockwalls, grading and paving the terminal sites on the north and south sides of the barge canal, east of the Main-Delaware Ave. bridge at Tonawanda and under Terminal Contract No. 49, grading a terminal site in the village of Spencerport.

Elimination of Grade Crossing—Buffalo, N. Y.—Bids will be received by Edward B. Guthrie, Ch. Engr., 436 Ellicott Sq., Buffalo, until 11 a.m., Sept. 15 for the construction of a grade crossing in Bailey Ave., over the Pennsylvania R.R. tracks.

†Subway Station—New York, N. Y.—(Borough of Bronx)—(Official)—The contract for station finish work for parts of the Seventh Ave., Lexington Ave. and White Plains Rd. Transit Railroads has been awarded to the ALTORIA REALTY & CONSTRUCTION CO., 3 East 44th St., New York, at $860,636. Noted July 29 and Aug. 26.

Duct Line—New York, N. Y.—(Borough of Bronx)—Bids will be received by the Public Service Commission, 154 Nassau St., until 12:15 p.m., Sept. 17, for the construction of a duct line under a portion of East 153d St. for the Seventh Ave.-Lexington Ave. Rapid Transit.

Freight Shed—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by R. A. C. Smith, Comr., Docks and Ferries, Pier A, Battery Pl., until noon, Sept. 17, for building a freight shed near the foot of 30th St., Brooklyn.

†‡Subway Station—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the construction of the station finish on Section No. 2, Route Nos. 36 and 37 of the Astoria Elevated R.R. has been awarded to CHARLES MEADE & CO., 38 Park Row, New York, at $268,102. Noted July 15 and Aug. 12.

†Track Supplies—New York, N. Y.—(Borough of Manhattan)—(Official)—Contracts have been awarded by the Public Service Commission for furnishing track materials and supplies as follows: Untreated ties and timber, J. H. BURTON & CO., at $1,273,856; treated ties and timber, LONG LEAF PINE CO., INC., at $100,362; special work, order No. 3, RAMAPO IRON WORKS, at $54,960; special work, order No. 4, WILLIAM WHARTON JR., & CO., at $41,907; cast iron, AMERICAN BRAKE SHOE & FOUNDRY CO., at $10,528; screw spikes, AMERICAN IRON & STEEL MFG. CO., at $25,741; malleable iron, FORAN FOUNDRY & MFG. CO., $36,118; tie plates type A, HERBERT W. LOCKWOOD, at $123,975; also tie plate type "D" $8239; tie plates, types, "E", "F", "G" and "H" $17,139 and cut track spikes, at $34,338; tie plates, type "B" L. D. ROCKWELL, at $13,267; also type "C", $5,140; bolts and nuts, OLIVER IRON & STEEL CO., at $117,911. Noted July 29, and Aug. 26.

Jetties—Stone Harbor, N. J.—Press reports state that the City Council has authorized the construction of V-shaped jetties on the channel front between Tuxedo Point and Shelter Haven Inlet.

Coal Pier—Baltimore, Md.—The Pennsylvania R.R. Co. will revise plans for the construction of its coal pier. A. C. Stand, Philadelphia, is Ch. Engr.

Flood Protection—Augusta, Ga.—According to press reports the City Council has passed a resolution to call for bids on the purchase of $250,000 flood protection bonds.

†Pier Sheds—Savannah, Ga.—The contract for constructing pier sheds (exclusive of steel frame and foundations) has been awarded by the Ocean Steamship Co., Savannah, to IRWIN & LEIGHTON, 126 North 12th St., Philadelphia. J. G. Basinger, 52 Broadway, New York, N. Y., is Engr.

Embankment—Fernwood, Miss.—Bids will be received by the Chief Engineer, Fenwood & Gulf R.R. Co., for placing 38,000 cu.yd. of embankment. The work is to be completed in five months.

Pile Foundations, Etc.—New Orleans, La.—Bids will be received by Ernest M. Loeb, Pres. Bd. of Comrs., 200 New Orleans Courthouse Bldg., until 2 p.m., Sept. 15, for constructing the pile foundations for the workhouse, annex, drier house, boiler and transformer house, and connections, for the public grain elevator, at the foot of Bellecastle St. Ford, Bacon & Davis, 921 Canal St., New Orleans, La., is Arch.

Speedway—Louisville, Ky.—The Louisville Automobile Speedway Co., Louisville, will be organized with a capital of $250,000 to construct a speedway of creosoted oak.

Retaining Wall—Cincinnati, Ohio—Bids will be received by the Board of County Commissioners until noon, Sept. 17, for the construction of a bridge and retaining wall on Four Mile Rd.

†Fire Boat Repairs—Cleveland, Ohio—The contract for the rebuilding and repairing of the fire tug "Clevelander" has been awarded to the MANITOWOC CO., at $33,500. A. A. Benesch, is Dir. of Pub. Ser.

Elimination of Grade Crossing—Cleveland, Ohio—Press reports state that preliminary plans have been approved by the City Engineering Commission for the elimination of the grade crossing between Fulton Rd. and Detroit Ave. on the New York, Chicago & St. Louis R.R. The total cost of the elimination will be $2,900,000. The city's portion is $765,000.

Park Improvement—Massillon, Ohio—(Official)—Bids will be received by R. J. Krisher, City Audr., until noon, Sept. 20, for the purchase of $25,000 in park improvement bonds.

Retaining Wall—Steubenville, Ohio—Bids will be received by John L. Means, County Audr., until Sept. 17, for constructing a retaining wall on Long Run, Mt. Pleasant.

Retaining Wall—Youngstown, Ohio—Bids will be received by the County Commissioners, until 10 a.m., Sept. 10, for constructing a retaining wall on McCartney Rd.

Flood Prevention—Muncie, Ind.—It is reported that the city plans to improve the White River for a distance of four miles to prevent floods.

Drainage—Adrian, Mich.—Press reports that the county will spend about $85,000 for draining the eastern section of the county.

Drainage—Aledo, Ill.—Bids will be received by the Central States Engineering Co., Room 402 Hershey Bank Bldg., Muscatine, Iowa, until 7:30 p.m., Sept. 24, for the construction of three sections of tile drains in Mercer County, Ill.

Drainage—Des Moines, Iowa—According to press reports, the Harmon Engineering Co., Peoria, Ill., has been engaged to prepare plans for reclaiming about 23,000 acres of land along Skunk River, in Polk, Story and Jasper counties.

Drainage—Muscatine, Iowa—Bids will be received by the Central States Engineering Co., Room 402, Hershey Bldg., until Sept. 24 for constructing three contract sections of drainage aggregating about 47 miles.

River Improvement—St. Louis, Mo.—Press reports state that the Board of Aldermen has been requested to call a special election for the purpose of issuing $5,500,000 in bonds for improving the River des Peres.

Drainage—Lonoke, Ark.—Plans have been prepared for the drainage of about 10,000 acres in Indian Bayou District No. 2 and bids will soon be called for. The Charles Miller Engineering Co., Southern Trust Bldg., Little Rock, Ark., is Engr. The estimated cost is $40,000.

Smokestack—El Paso, Tex.—It is reported that the El Paso Smelter Co. plans the erection of a 300-ft. smokestack to cost about $250,000.

Drainage—Houston, Tex.—It is planned to issue $140,000 in bonds for the construction of a drainage system.

Natatorium—Aberdeen, Wash.—Plans have been completed for a swimming pool to be of corrugated iron, and a club house for the Aberdeen Brewing Co. The estimated cost is $15,000.

Dike—Cathlamet, Wash.—Bids will be received by the Com-Commissioners of Diking District No. 1, until 2 p.m., Oct. 1, for constructing a system of dikes, including automatic tide gates, pumping stations, etc. G. H. Kyle, 718 Spalding Bldg., Portland, Ore., is Engr. Noted May 27 and Aug. 19.

Drainage—North Yakima, Wash.—The city will soon hold an election to vote on $80,000 in bonds for the construction of the West Side Drainage District. L. O. Meigs is City Atty.

Elimination of Grade Crossing—Portland, Ore.—Proceedings will be started for a general grade crossing elimination project along the line of the Oregon-Washington R.R. & Navigation Co. from the head of Sullivan Gulch to the city limits. The work will cost about $750,000, and plans have been completed. A. L. Barbur is Audr.

Retaining Walls—St. John, N. B.—The City Council plans to construct retaining walls on Main, Moore and Rockland St. at an estimated cost of $16,300. H. F. Wardroper is Clk.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

Fulton, N. Y.—Plans are being prepared by Clarence Brazer, Arch., 1133 Broadway, New York, for the construction of a church and parish house for the Zion Episcopal Church. Estimated cost, $50,000. M J. Peters is Pastor and Chn. of Bldg. Com.

Ithaca, N. Y.—Bids are being received by the Civil Engineering Department of Cornell University on the general contract for the construction of a one-story reinforced-concrete and tile observatory near the Agricultural College. The estimated cost is $50,000. Le Roy P. Burnham, 2 Central Ave., is Arch.

New York, N. Y.—(Borough of Bronx)—Plans are being prepared by Gustave E. Steinbach, Arch., 15 East 40th St., New York, for the construction of a 1½-story church on Tinton Ave. near 155th St. for the St. Anselm Church. The estimated cost is $60,000 Bernard Kevenhoester, 673 Tinton Ave., is Pastor.

New York, N. Y.—(Borough of Bronx)—Bids will be received about Nov. 1, by Anthony F. A. Schmitt, Arch., 604 Courtland Ave., for the construction of a one-story, 100x151-ft. church at College Ave. and 145th St. for St. Rita's Church. The cost is estimated at $75,000.

New York, N. Y.—(Borough of Brooklyn)—Plans are being prepared by Nelson & Van Wagenen, Arch., 15 West 38th St., New York, for the construction of a church at Bedford Ave. and Hawthorne St. for the Congregational Church of the Evangel. The estimated cost is $40,000.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Shape & Bready, Arch., 220 West 42d St., for the construction of a seven-story building at 42d St. and Second Ave. for the New York College of Dentistry. The estimated cost is $50,000.

New York, N. Y.—(Borough of Manhattan)—The Oceanic Investing Co. plans to construct a 20-story building to be known as the Astor Trust Co. Bldg., at Fifth Ave. and 42d St. The cost is estimated at $1,000,000. Montague Flagg, 2d, 109 Broad St., is Arch.

New York, N. Y.—(Borough of Manhattan)—Edgar A. Levy will build an apartment house at a cost of $500,000. Schwartz & Gross, 347 Fifth Ave., is Arch.

New York, N. Y.—(Borough of Queens)—The Long Island Loft Corporation has had plans prepared for the construction of a five-story, 54x187-ft., brick loft building at Wilbur Ave. and Sunswick St., Long Island City. The cost is estimated at $90,000.

New York, N. Y.—(Borough of Richmond)—Mason R. Strong, Arch., 7 Wall St. New York, has prepared plans for the construction of a three-story, 75x147-ft., orphan asylum at Ft. Wadsworth, S. I., for the Bethlehem Orphans' Home, College Point, L. I. The estimated cost is $100,000. Noted Mar. 25.

Syracuse, N. Y.—Preliminary plans are being prepared by James I. Meehan Co., Arch., 1611 First North St., for the construction of a five-story clubhouse. The estimated cost is $100,000.

White Plains, N. Y.—(Official)—Bids were received for the construction of a workhouse and penitentiary at East View, for the Westchester County as follows: Wells Bros. Construction Co., 366 Fifth Ave., New York, $543,000; John H. Parker Co., 315 Fourth Ave., New York, $547,695; John T. Brady & Co., 103 Park Ave., New York, $548,840; Norcross Bros. Co., 103 Park Ave., New York, $556,500; George A. Fuller Co., 111 Broadway, New York, $560,785. Thomas F. Cox, Jr., is Clk. of Westchester County Bldg. Comn. Noted July 22 and Aug. 19.

Newark, N. J.—The Common Council has petitioned the Finance Committee to appropriate $40,000 to be used for repairs to the Central Market.

Carbondale, Penn.—Plans are being prepared by E. H. Davis, Arch., Scranton, for the construction of a two-story, brick and concrete high school. The estimated cost is $100,000.

Indiana, Penn.—The Indiana State Normal School plans to expend $50,000 on alterations and additions to its buildings. James E. Ament is in charge of construction.

✚Philadelphia, Penn.—(Official)—WILLIAM R. DOUGHERTY, 1608 Sansom St., Philadelphia, has been awarded the general contract for the construction of a seven-story, 45x179-ft., building with four 45x175-ft. wings at 54th St. and Cedar Ave. for the Miserecordia Hospital. E. F. Durang & Son, 12th and Chestnut St., is Arch Noted Apr. 1 and July 15.

✚Philadelphia, Penn.—(Official)—The contract for the construction of an immigrant station at Reed St. Yards, South Wharfs, for the Pennsylvania R.R. has been awarded to JOHN N. GILL & CO., 1213-15 Filbert St., Philadelphia, at $84,995. Other bidders were: Fred A. Havens & Co., 845 North 19th St., $93,017; Brann & Stuart Co., Arcade Bldg., $87,511; Barclay, White & Co., $97,377; Armstrong & Latta Co., North Land Title Bldg., $87,354; William R. Dougherty, 1608 Sansom St., $98,633. Noted July 22 and 29.

✚Pittsburgh, Penn.—The Finance Committee of the Board of Public Education has awarded the general contract for the construction of the South Hills High School on Ruth St. to GOLDEN & CRICK, 3512 Fifth Ave., Pittsburgh, at $224,008. Noted June 10.

✚Pittsburgh, Penn.—The contract has been awarded to the THOMPSON-STARRETT CO., at $232,950, for the construction of the Bailey High School, at Ruth, Harwood and Eureka St. and Secane St. Noted June 10.

Pittsburgh, Penn.—The Americus Republican Club plans the construction of a seven-story clubhouse at Penn Ave. and Fourth St., to cost about $150,000. F. J. Osterling, 316 Fourth Ave., is Arch.

Akron, Ohio—Plans have been prepared by George J. Ball, Arch., Crosier St., for the construction of a two-story home for nurses at the People's Hospital. The cost is estimated at $50,000. Noted May 13.

Cleveland, Ohio—Bids will be received until noon, Sept. 27, by the Clerk of Board of Education, Rockwell and East Sixth St., for the construction of a school at Almira Ave. and West 98th St. Frank G. Hogan is Dir. of Schools.

Evansville, Ind.—The Hotel Building Co., will build an eight-story hotel, to be known as the Hotel McCurdy, at a cost of $500,000.

Indianapolis, Ind.—A. M. Glossbrenner, Chn., Organization Com. of Indianapolis Armory Bldg. Assoc., has prepared tentative plans for the construction of an armory for the Indiana National Guard. Noted Aug. 19.

✚Albion, Mich.—The FRANK L. SHOEMAKER CONSTRUCTION CO., Kalamazoo, has been awarded the general contract for the construction of a two-story physics building at the Albion College. Estimated cost, $40,000. Noted Aug. 19.

Marquette, Mich.—The Board of Education plans the construction of a three-story, brick and stone high school. John D. Chubb, 109 North Dearborn St., Chicago, Ill., is Arch. The estimated cost is $120,000. Noted May 27.

Chicago, Ill.—The Cole Motor Co. of Illinois will build a four-story display house at 2326 Indiana St., to cost $70,000. Edgar C. Frady is Pres.

Chicago, Ill.—Harry W. Rubloff plans the construction of a three-story theater and office building at 69th and Green St. Estimated cost, $100,000.

✚Chippewa Falls, Wis.—The contract for the construction of an office building for the Edward Rutledge Charity Corporation, has been awarded to W. J. KINGSLEY, Faribault, Minn., at $41,300. Noted July 8 and 15.

Madison, Wis.—Claude & Starck, Arch., has prepared plans for the construction of a two-story, 75x115-ft., brick school to cost $60,000.

✚Montello, Wis.—The general contract for the erection of the new Marquette county courthouse and jail, estimated to cost $60,000, has been awarded to S. D. KNUDSEN and F. D. BURGESS, Waupaca, Wis. Noted July 22 and Aug. 19.

Sheboygan, Wis.—The Board of Public Works will soon award the contract for the construction of a three-story, 56x150-ft., brick and stone city hall. Herman W. Buemming, 521 Jackson St., Milwaukee, Wis., is Arch. The estimated cost is $115,000.

✚Ames, Iowa—The State Board of Education has awarded the general contract for the construction of a dormitory for girls at the Iowa State College to the J. B. EVANS CONSTRUCTION CO., Mexico, Mo. The estimated cost is $60,000. Noted Sept. 2.

Ames, Iowa—All bids received for the construction of a science building at the Iowa State College have been rejected by the State Board of Education. New bids will soon be received. The cost is estimated at $60,000. Noted Sept. 2.

✚Cherokee, Iowa—The general contract for the construction of the Cherokee High School has been awarded to PAYANT & BRASS, Faribault, Minn., at $67,805. Noted June 17.

Mason City, Iowa—The Brotherhood of America organization plans to construct a permanent home for the order at Mason City. The cost is estimated at $250,000.

Sioux City, Iowa—Preliminary plans have been prepared by Beuttler & Arnold, Arch., Davidson Auto Blk., for the construction of a Masonic Temple at Ninth and Douglas St. for the York Rite Bodies. The estimated cost is $100,000. Noted Sept 2.

✚New Duluth, Minn.—The Minnesota Steel Co. has awarded the contract to GEORGE H. LOUNSBERRY, Duluth, Minn., for the construction of a brick and concrete office building and chemical laboratory. The estimated cost is $100,000.

✚St. Paul, Minn.—(Official)—The contract for the construction of a 12-story, 150x200-ft., brick and stone hotel to be known as the Hillcrest at Dale St. and Grand Ave. for the Booth Hotel Co. has been awarded to the WELLS BROS. CO., 407 Lowry Bldg., St. Paul. The cost is estimated at $2,000,000. Mark Fitzpatrick, 17 West Ninth St., is Arch.

✚Coffeyville, Kan.—The contract for the construction of a two-story 96x143-ft. brick and steel terminal building for the Union Traction Co. has been awarded to CLEMENTS & LAVERY. The estimated cost is $40,000. Austin Allen, 1212 Scarritt Bldg., Kansas City, Mo., is Arch.

✚Salina, Kan.—The general contract for the construction of a two-story, 108x122-ft., brick and concrete church for the First M. E. Church has been awarded to J. O. BROWN, Arkansas City, at $40,000. A. G. Bennett is Pastor. Wm. T. Schmitt, Oklahoma City, is Arch. Noted July 22.

Omaha, Neb.—Plans are being prepared by George B. Prinz, Arch., Omaha National Bank Bldg., for the construction of a seven-story Masonic Temple at 19th and Douglas St. The estimated cost is $350,000. Noted June 10.

✚Grand Forks, N. D.—The contract for the construction of an addition to the Y. M C. A. building has been awarded to DINNIE BROS., Grand Forks Estimated cost, $40,000. Noted May 27.

Fulton, Mo.—At a recent election the citizens voted in favor of issuing $55,000 in bonds. The proceeds will be used for the construction of a school.

Jennings, Mo.—(St. Louis post office)—Plans are being prepared by Barnett, Haynes & Barnett, Arch., 949 Century Bldg., St. Louis, for the construction of a group of buildings near Jennings for the Jesuit Province of Missouri. The cost is estimated at $400,000.

Kansas City, Mo.—It is reported that plans are being drawn for the construction of a brick and reinforced-concrete hotel at 2223-25 Grand Ave. for the Frederick Realty & Investment Co. Fred C. Merry, 1009-11 Walnut St., is Pres. The estimated cost is $150,000.

✚Kansas City, Mo.—The contract for the construction of a three-story, 77x113-ft., brick and reinforced-concrete hotel at 1416 Central St., for Neuer Bros., 1326-28 Main St., has been awarded to AIKEN & THAYER, 501 Shukert Bldg., at $60,152. Frederick H. Michaelis, 113 McGee St., is Arch.

Cleveland, Tex.—(Official)—All bids have been rejected by G. O. Bartle, Pres., School Bd., for the construction of a school. Noted June 17 and Aug. 26.

Lubbock, Tex.—The Commissioners' Court has ordered an election for Sept. 18 to vote on issuing $100,000 bonds, the proceeds to be used for building a new court house.

Nacogdoches, Tex.—At a recent election the citizens of Nacogdoches Independent School District voted in favor of a bond issue of $45,000. The proceeds will be used for the construction of a school. Noted Aug. 19.

✚Edmond, Okla.—The contract for the construction of a library and classroom at the Central State Normal School has been awarded to KREIPKE & SCHAFER, El Reno, Okla., at $46,500.

Colorado Springs, Colo.—Plans are being prepared for the construction of an addition to the Union Printers Home, for the International Typographical Union. Marsden G. Scott is Pres. The estimated cost is $50,000.

Denver, Colo.—The Directors of the Children's Hospital plan to construct a four-story hospital at 19th and Downing St. Estimated cost, $210,000. Mrs Edith M. Burger is Pres. of the hospital.

✚Miami, Ariz.—E. GARFIELD has been awarded the contract for the construction of a high school. Trost & Trost, Mills Bldg., El Paso, Tex., is Arch. The estimated cost is $70,000. Noted May 20.

Seattle, Wash.—Bids will soon be received by George W. Lawton, Arch., Alaska Bldg., for the construction of a three-story, brick and terra cotta Masonic temple to cost $125,000.

Tacoma, Wash.—Plans have been prepared by Luther Twitchell, Arch., Savage-Scofield Bldg., for the construction of a three-story, reinforced-concrete addition to the Bankers Trust Bldg., Pacific Ave. The estimated cost is $65,000.

✚Walla Walla, Wash.—The contract for the construction of St. Mary's Hospital has been awarded to W. J. BEEZER. The estimated cost is $250,000. Noted May 6, June 3 and July 15.

The Walter A. Zelnicker Supply Co., St. Louis, Mo., has purchased the goodwill and stock of the Bintliff Supply Co. The latter company did a general railroad, mill and factory supply business and specialized in the manufacture of railroad track tools.

The Webster & Perks Tool Co., Springfield, Ohio, has consolidated with the Bauroth Machine & Tool Co., Toledo, Ohio, and has moved the machinery and equipment of the latter plant to Springfield.